STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER RW 12B4-27B	
2. TYPE OF WORK DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** RED WASH
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME** RED WASH
6. NAME OF OPERATOR QEP ENERGY COMPANY	**7. OPERATOR PHONE** 303 308-3068
8. ADDRESS OF OPERATOR 11002 East 17500 South, Vernal, Ut, 84078	**9. OPERATOR E-MAIL** debbie.stanberrry@qepres.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0933	**11. MINERAL OWNERSHIP** FEDERAL ● INDIAN ○ STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ● INDIAN ○ STATE ○ FEE ○	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ●
19. SLANT VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1953 FSL 766 FWL	NWSW	27	7.0 S	23.0 E	S
Top of Uppermost Producing Zone	1953 FSL 766 FWL	NWSW	27	7.0 S	23.0 E	S
At Total Depth	1953 FSL 766 FWL	NWSW	27	7.0 S	23.0 E	S

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 766	**23. NUMBER OF ACRES IN DRILLING UNIT** 560
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1200	**26. PROPOSED DEPTH** MD: 10955 TVD: 10955
27. ELEVATION - GROUND LEVEL 5542	**28. BOND NUMBER** ESB000024	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** A36125 - 49-2153

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	9.625	0 - 3695	40.0	N-80 LT&C	0.0	Halliburton Light , Type Unknown	460	3.12	11.0
							Halliburton Premium , Type Unknown	240	1.47	13.5
Prod	7.875	4.5	0 - 10955	11.6	HCP-110 LT&C	10.5	Halliburton Light , Type Unknown	590	3.18	11.0
							Halliburton Premium , Type Unknown	490	1.65	13.5

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Jan Nelson	**TITLE** Permit Agent	**PHONE** 435 781-4331
SIGNATURE	**DATE** 12/07/2011	**EMAIL** jan.nelson@qepres.com

API NUMBER ASSIGNED
43047522340000

APPROVAL

Permit Manager

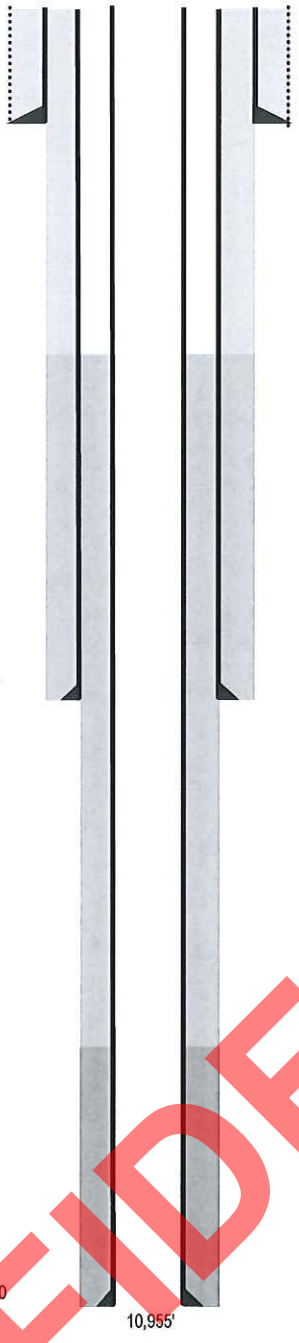
RECEIVED: December 12, 2011

QEP Energy Company
RW 12B4-27B
Summarized Drilling Procedure

1. Construct location per plat.
2. MIRU air drilling rig.
3. Pre-set conductor.
4. Nipple up diverter system.
5. Drill 12-1/4" hole to 3,695' with air/mist.
6. RIH with 9-5/8" 40# N-80 casing and cement same per program.
7. RDMO air drilling rig.
8. MIRU conventional drilling rig.
9. NU and test 5M BOPE.
10. Drill 7-7/8" hole from 10,955' using conventional mud systems.
11. Log well. Triple or Quad-Combo (GR, NEU/DEN, IND, RES, SON)
12. RIH with 4-1/2" 11.6# HCP-110 casing and cement same per program.
13. Pressure test casing.
14. ND BOP's and NU remainder of wellhead. Set BPV.
15. RDMO.

Updated MPG 12-6-2011
Not to scale

RW 12B4-27B
1,953' FSL & 766' FWL Sec 27 T7S R23E S.L.B.&M.
Uintah County, Utah
KB 5,555'
GL 5,541'



14" Conductor at 60'

Cemented to surface

Top of Production Lead Cement at 3,000'
Top of Surface Tail Cement at 3,000'

12-1/4" Open Hole

9-5/8" 40# N-80 @ 3,695'

7-7/8" Open Hole

Top of Production Tail Cement @ 8,455'

4 1/2" 11.6# HCP-110
10,955'

QEP ENERGY COMPANY
RW 12B4-27B
Uintah County, Utah
Section 27-T7S-R23E

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated top of important geologic markers are as follows:

Formation	Depth
Uinta	Surface
Green River	2,836'
Mahogany	3,645'
Wasatch	6,815'
Mesaverde	8,455'
Sego	10,855'
TD	10,955'

2. Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones

The estimated depths at which the top of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered as follows:

Substance	Formation	Depth
Oil	Green River	2,836'
Gas	Wasatch	6,815'
Gas	Mesaverde	8,455'
Gas	Sego	10,855'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125 (which was filed on May 7, 1964)

QEP ENERGY COMPANY
RW 12B4-27B
Uintah County, Utah
Section 27-T7S-R23E

or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment

A. An 11" 5000 psi double ram with blind rams and pipe rams, annular preventer and drilling spool or BOP with 2 side outlets.

B. All BOP connections subject to pressure shall be flanged, welded or clamped.

C. Kill line (2" min), 2 choke line valves (3" min), choke line (3" min), 2 kill line valves (2" min) and a check valve, 2 chokes with one remotely controlled from rig floor and a pressure gauge on choke manifold.

D. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.

E. IBOP or float sub available.

F. Fill up line must be installed above the uppermost preventer.

G. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc…, for a 5M system and individual components shall be operable as designed.

4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	Expected MW(ppg)
17 ½"	14"	Sfc	60'	Steel	Conductor	None	Used	N/A
12-1/4"	9-5/8"	Sfc	3,695'	40#	N-80	LTC	New	Air
7 7/8"	4-1/2"	Sfc	10,955'	11.6#	HCP-110	LTC	New	10.5

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Casing Strengths:				Collapse	Burst	Tensile (min)
9-5/8"	40#	N-80	LTC	3,090 psi	5,750 psi	916,000 lb.
4 1/2"	11.6#	HCP-110	LTC	8,830 psi	10,710 psi	279,000 lb.

Casing Design Factors

*The casing prescribed above meets or exceeds the below listed design factors.
Burst: 1.2
Collapse: 1.2
Tension: 1.6

Maximum anticipated mud weight: 10.5 ppg
Maximum anticipated surface treating pressure: 7,200 psi

5. **Cementing Program**

9-5/8" Surface Casing:

Lead Slurry: Surface (TOC) – 3,000'. 460 sks (1409 ft^3) Halliburton Extendacem, 1 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 11.0 ppg, 3.12 ft^3/sk, 50% XS in open hole only.

Tail Slurry: 3,000' – 3,536'. 240 sx (344 ft^3) Halliburton Econocem, 0.2% HR-5 Retarder, 1.0 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 13.5 ppg, 1.47 ft^3/sk, 50% XS in open hole.

4-1/2" Production Casing*:

Lead Slurry: 3,000' (TOC) – 8,455'. 590 sks (1,852 ft^3) Halliburton Extendacem, 1 pps Granulite 1/4, 0.125 pps Poly–E–Flake. Slurry Weight 11.0 lb/gal, 3.18 ft^3/sk, 50% excess over gauge in open hole only.

Tail Slurry: 8,455' – 10,955'. 490 sks (796 ft^3), Halliburton Expandacem, 0.3% Super CBL (Expander), 0.6% HR-800 (Retarder), 1 pps Granulite TR ¼, 0.125 pps Poly-E-Flake (LCM). Slurry Weight 13.5 lb/gal, 1.65 ft^3/sk, 50% excess over gauge hole.

*Final cement volumes to be calculated from caliper log, if run.

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6. Auxiliary Equipment

A. Kelly Cock – yes

B. Float at the bit – Yes

C. Monitoring equipment on the mud system – PVT/Flow Show

D. Full opening safety valve on the rig floor – Yes

E. Rotating Head – Yes

F. Request for Variance:

Drilling surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III Requirements, subsection E. Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is 50' into the Mahogany Bench formation and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
2. **Blooie line discharge 100 feet from wellbore and securely anchored** – the blooie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic igniter or continuous pilot light on blooie line** – a diffuser will be used rather than an automatic pilot/igniter. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
5. **Well Kill Fluid** – A suitable amount of water and weighting agents will be available in the reserve pit during air drilling operations to kill the well, if necessary. No overpressured zones are expected in the area.
6. **Deflector on the end of the blooie line** – QEP will mount a deflector unit at the end of the blooie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the

velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooie. A washed out deflector will be easily replaced.

7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.

G. Drilling below the 9-5/8" casing will be done with water based mud. Maximum anticipated mud weight is 10.5 ppg.

H. No minimum quantity of weight material will be required to be kept on location.

I. Gas detector will be used from intermediate casing depth to TD.

7. Testing, logging and coring program

A. Cores – none.

B. DST – none anticipated

C. Logging – Mud logging – Intermediate Casing to TD
OH Logs: GR-SP-Induction, Neutron Density.

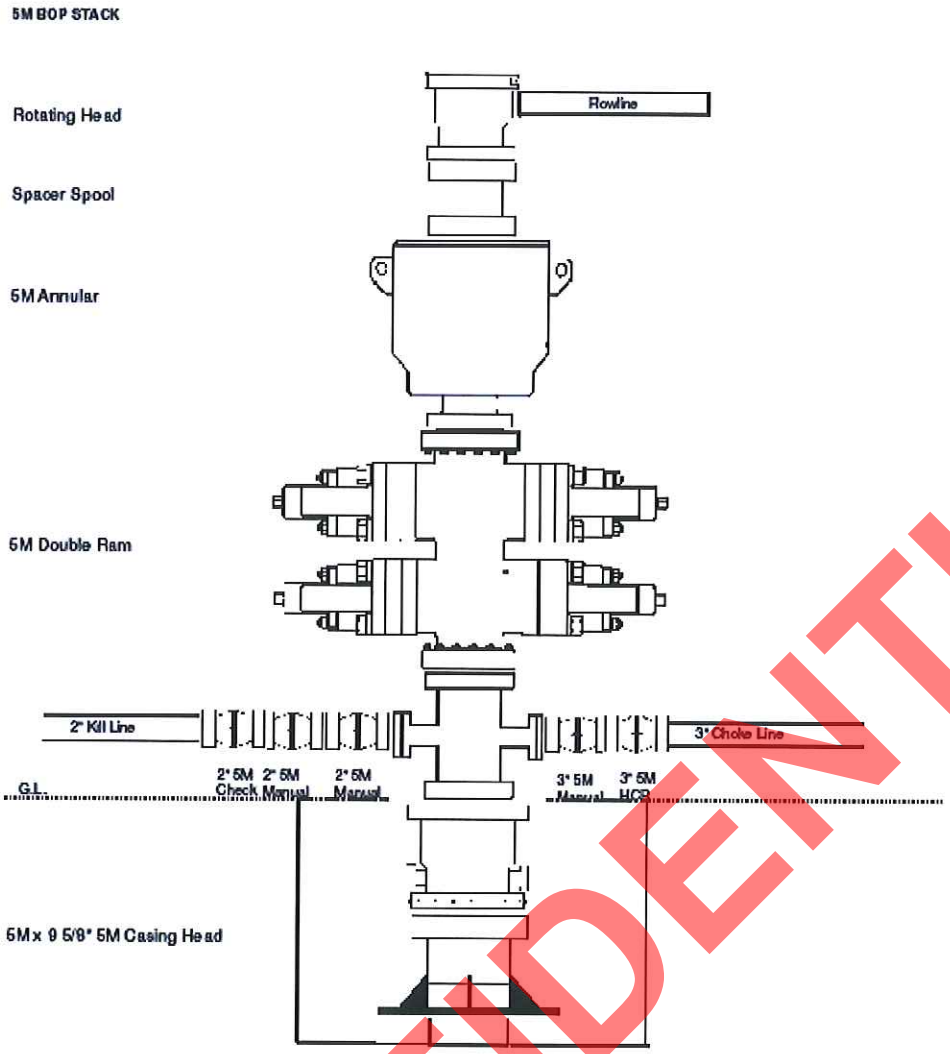
D. Formation and Completion Interval:
– Stimulation will be designed for the particular area of interest as encountered.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

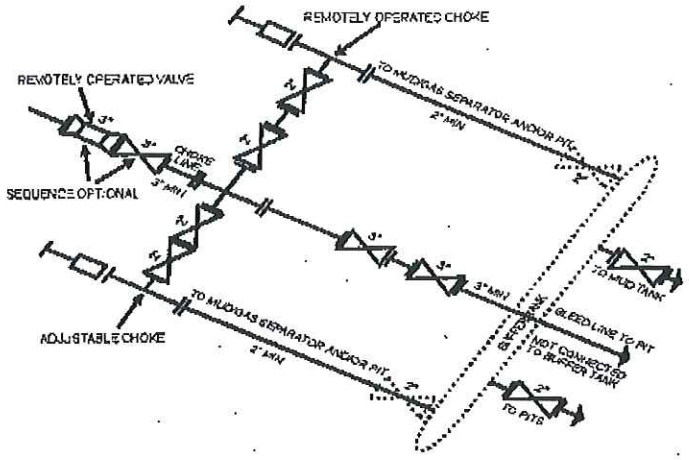
No abnormal temperatures or pressures are anticipated. Maximum anticipated bottom hole pressure equals approximately 5,981 psi. Maximum anticipated bottom hole temperature is 205° F.

H2S has not been encountered in other wells drilled to similar depths in the general area.

QEP ENERGY COMPANY
RW 12B4-27B
Uintah County, Utah
Section 27-T7S-R23E



QEP ENERGY COMPANY
RW 12B4-27B
Uintah County, Utah
Section 27-T7S-R23E

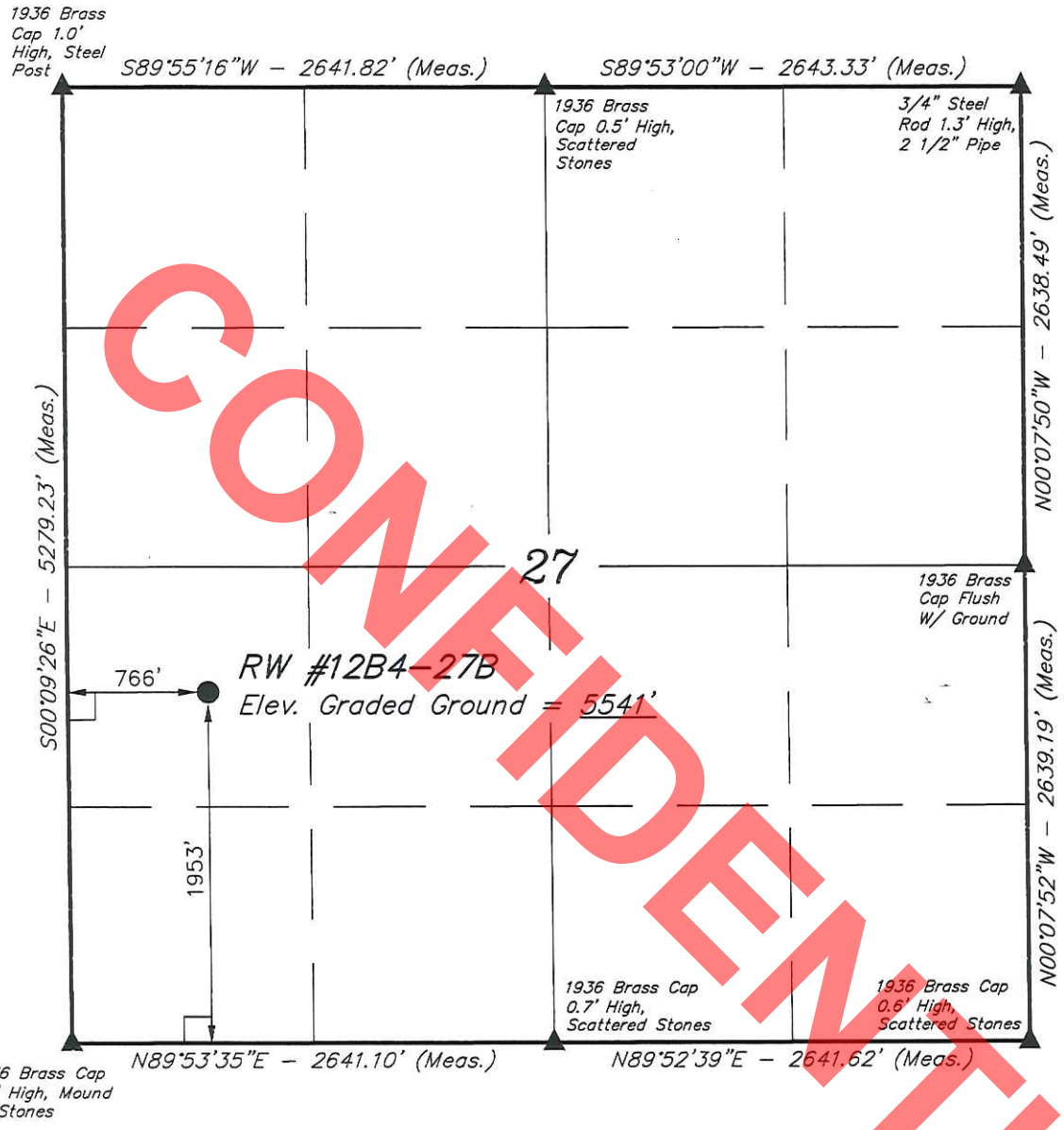


5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.

[54 FR 39528, Sept. 27, 1989]

T7S, R23E, S.L.B.&M.



QEP ENERGY COMPANY

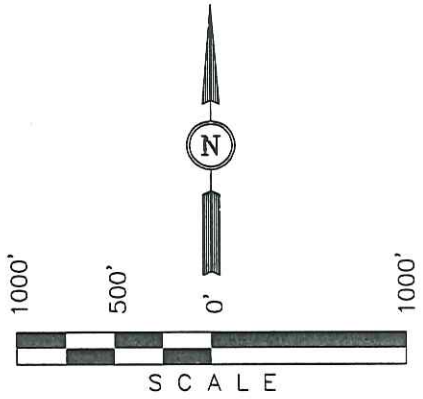
Well location, RW #12B4–27B, located as shown in the NW 1/4 SW 1/4 of Section 27, T7S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

11–04–11

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°10'43.20" (40.178667)
LONGITUDE = 109°19'11.74" (109.319928)
(NAD 27)
LATITUDE = 40°10'43.33" (40.178703)
LONGITUDE = 109°19'09.29" (109.319247)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE: 1" = 1000'	DATE SURVEYED: 10–24–11	DATE DRAWN: 11–02–11
PARTY: A.F. B.A. J.I.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: QEP ENERGY COMPANY	

API Well Number: 43047522340000

QEP ENERGY COMPANY

RW #12B4-27B

LOCATED IN UINTAH COUNTY, UTAH
SECTION 27, T7S, R23E, S.L.B.&M.

PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: EASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: EASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	07 MONTH	08 DAY	11 YEAR	PHOTO
TAKEN BY: A.F.	DRAWN BY: C.A.G.	REV: B.D.H. 11-01-11		

API Well Number: 43047522340000

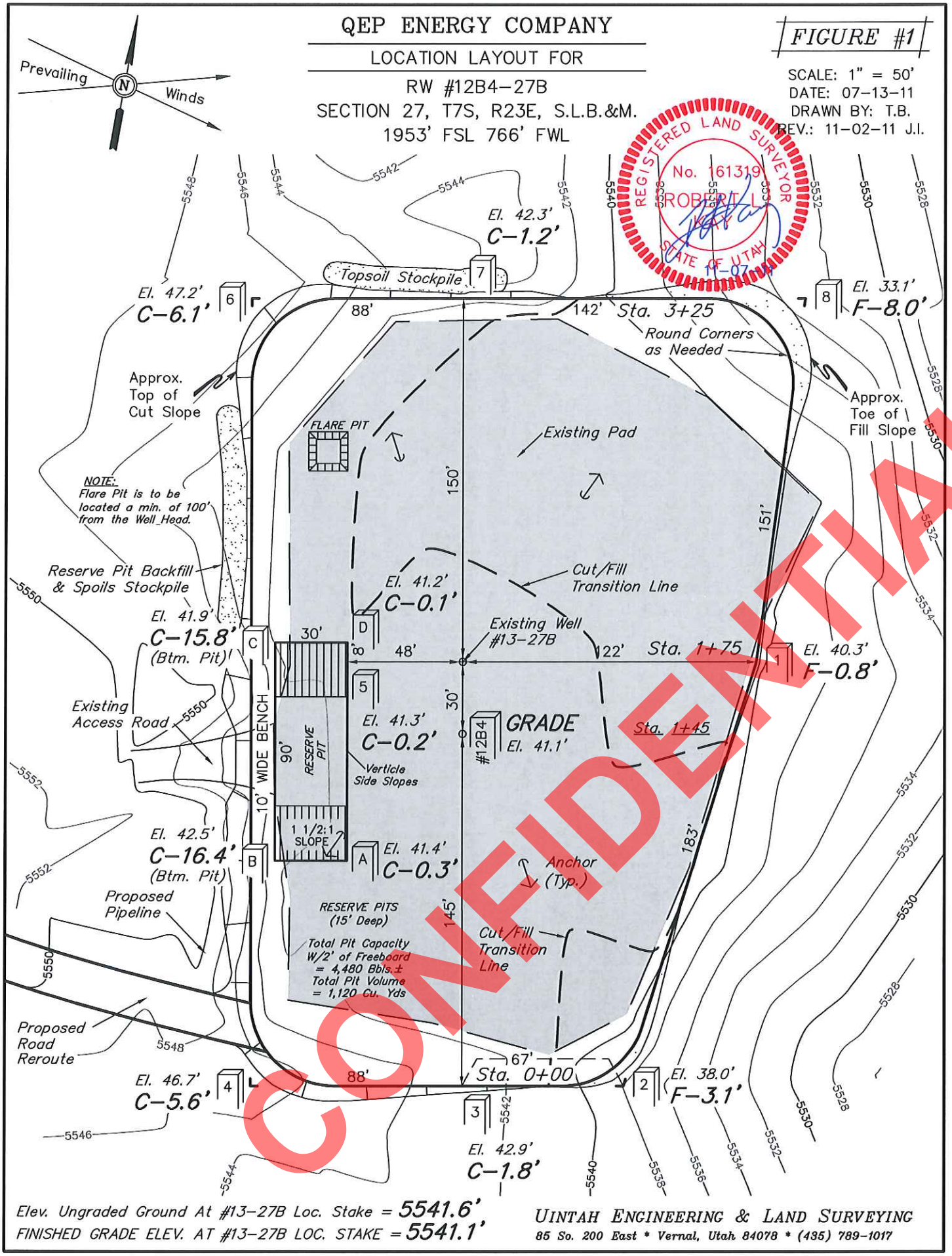
QEP ENERGY COMPANY

LOCATION LAYOUT FOR

RW #12B4-27B
SECTION 27, T7S, R23E, S.L.B.&M.
1953' FSL 766' FWL

FIGURE #1

SCALE: 1" = 50'
DATE: 07-13-11
DRAWN BY: T.B.
REV.: 11-02-11 J.I.



Elev. Ungraded Ground At #13-27B Loc. Stake = 5541.6'
FINISHED GRADE ELEV. AT #13-27B LOC. STAKE = 5541.1'

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TYPICAL CROSS SECTIONS FOR

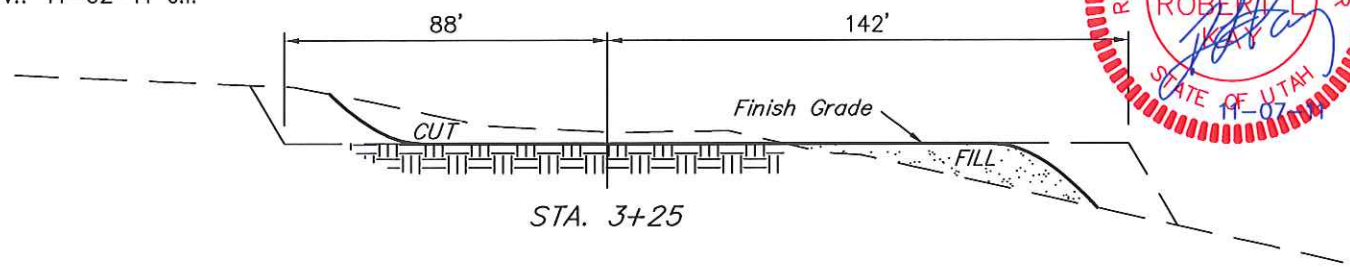
RW #12B4-27B
SECTION 27, T7S, R23E, S.L.B.&M.
1953' FSL 766' FWL

FIGURE #2

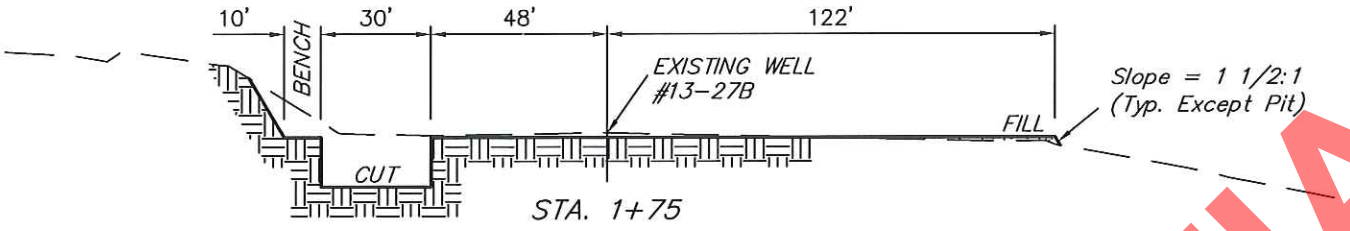
1" = 20'
X-Section Scale
1" = 50'

DATE: 07-13-11
DRAWN BY: T.B.
REV.: 11-02-11 J.I.

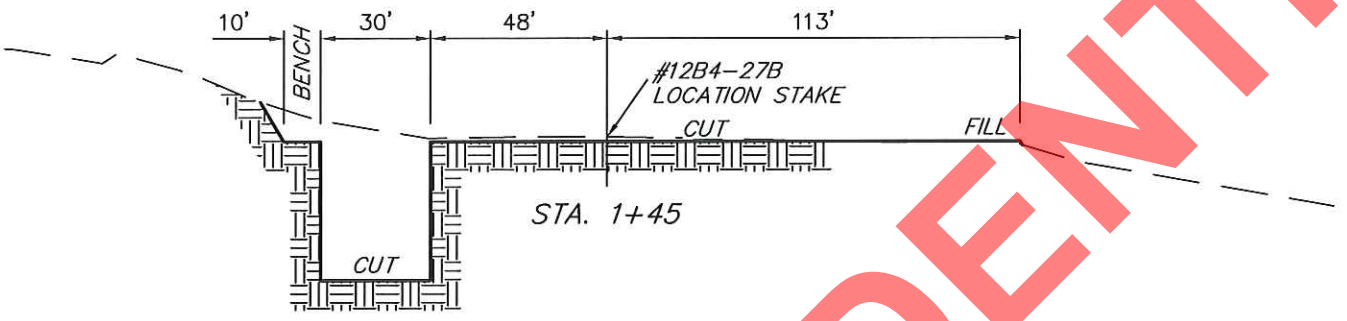
REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH
11-07-11



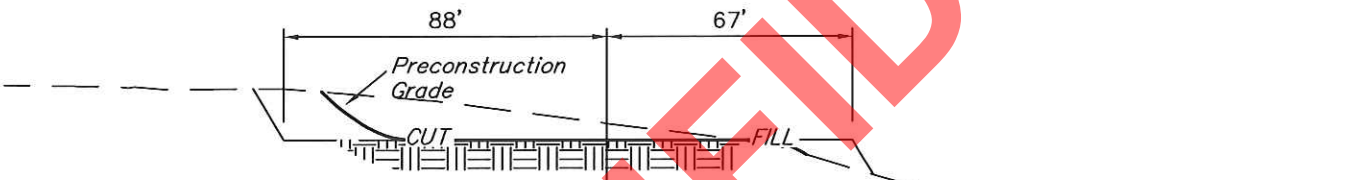
STA. 3+25



STA. 1+75



STA. 1+45



STA. 0+00

APPROXIMATE ACREAGES

EXISTING DISTURBANCE
WITHIN PROPOSED WELL SITE = ± 1.158 ACRES
REMAINING PROPOSED
WELL SITE DISTURBANCE = ± 0.451 ACRES
ACCESS ROAD DISTURBANCE = ± 0.180 ACRES
PIPELINE DISTURBANCE = ± 1.767 ACRES
TOTAL = ± 3.556 ACRES

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping (New Construction Only)	=	250 Cu. Yds.
Remaining Location	=	2,340 Cu. Yds.
TOTAL CUT	=	2,590 CU.YDS.
FILL	=	880 CU.YDS.

EXCESS MATERIAL	=	1,710 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	810 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	900 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

API Well Number: 43047522340000

QEP ENERGY COMPANY

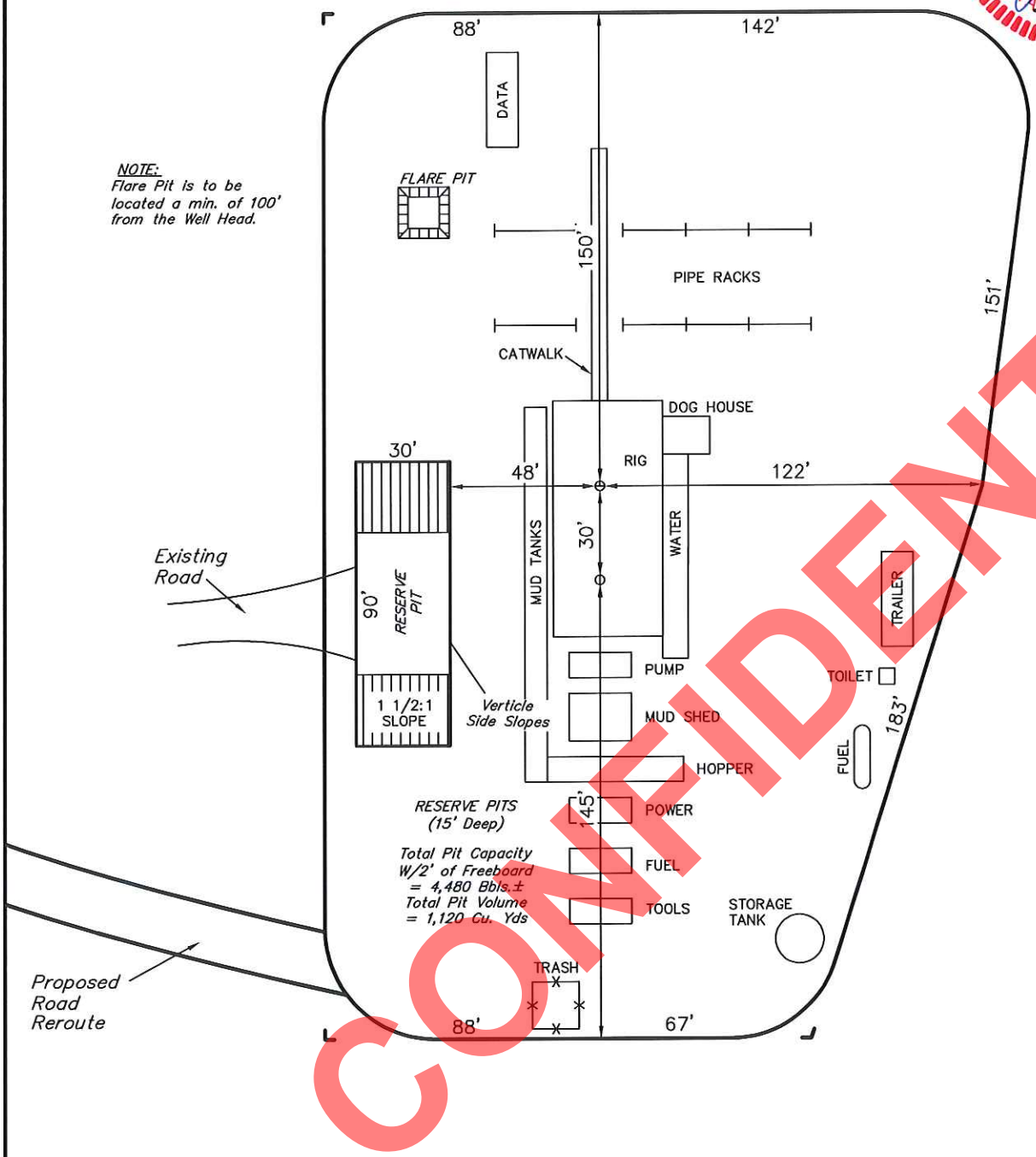
TYPICAL RIG LAYOUT FOR

RW #12B4-27B
SECTION 27, T7S, R23E, S.L.B.&M.
1953' FSL 766' FWL

FIGURE #3

SCALE: 1" = 50'
DATE: 07-13-11
DRAWN BY: T.B.
REV.: 11-02-11 J.I.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L.
STATE OF UTAH
11-07-11



NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

CONFIDENTIAL

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QEP ENERGY COMPANY

PRODUCTION FACILITY LAYOUT FOR

RW #12B4-27B

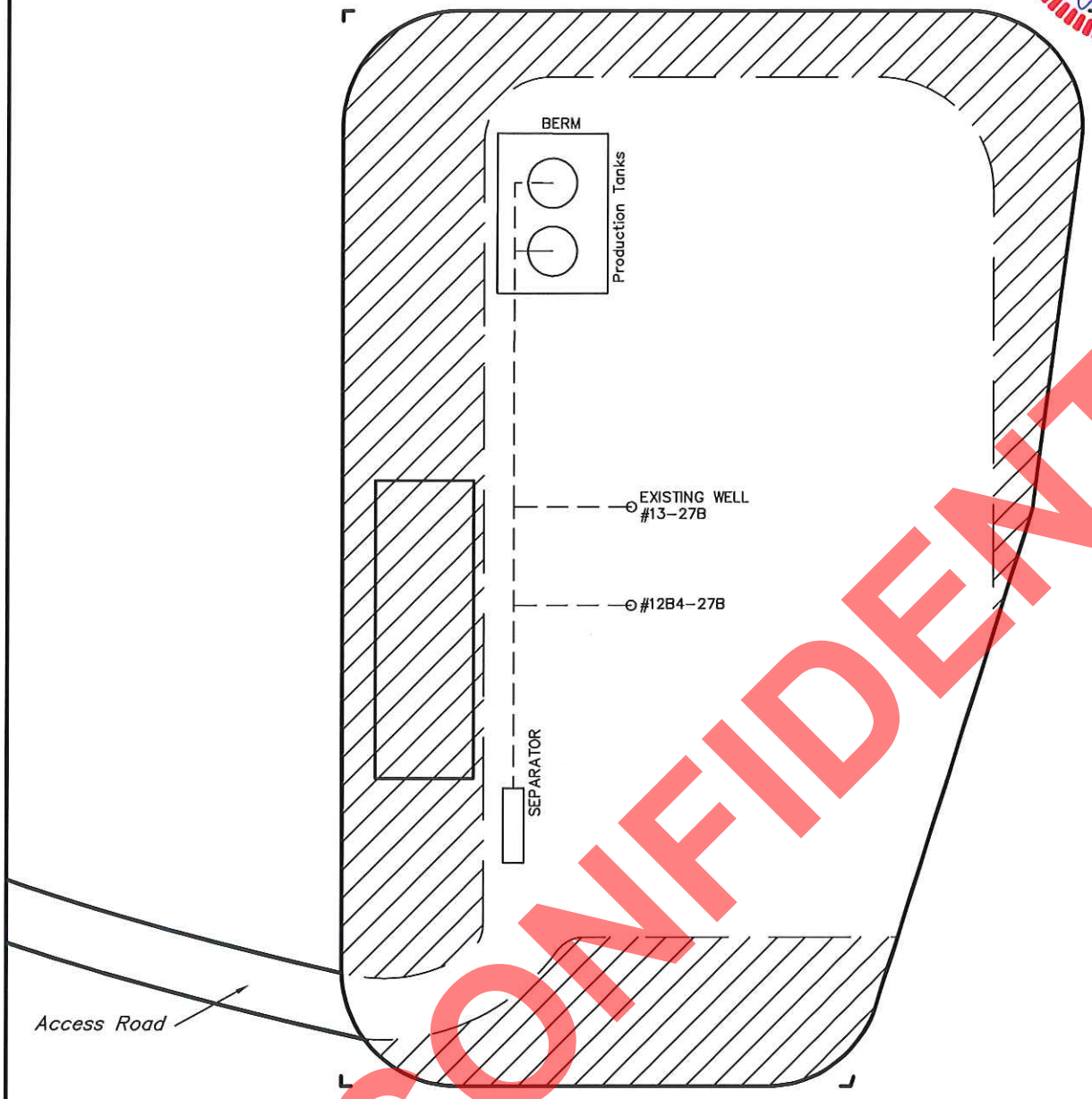
SECTION 27, T7S, R23E, S.L.B.&M.

1953' FSL 766' FWL

FIGURE #4

SCALE: 1" = 50'
DATE: 07-13-11
DRAWN BY: T.B.
REV.: 11-02-11 J.I.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L
STATE OF UTAH
11-07-11



APPROXIMATE ACREAGES
UN-RECLAIMED = ± 0.913 ACRES

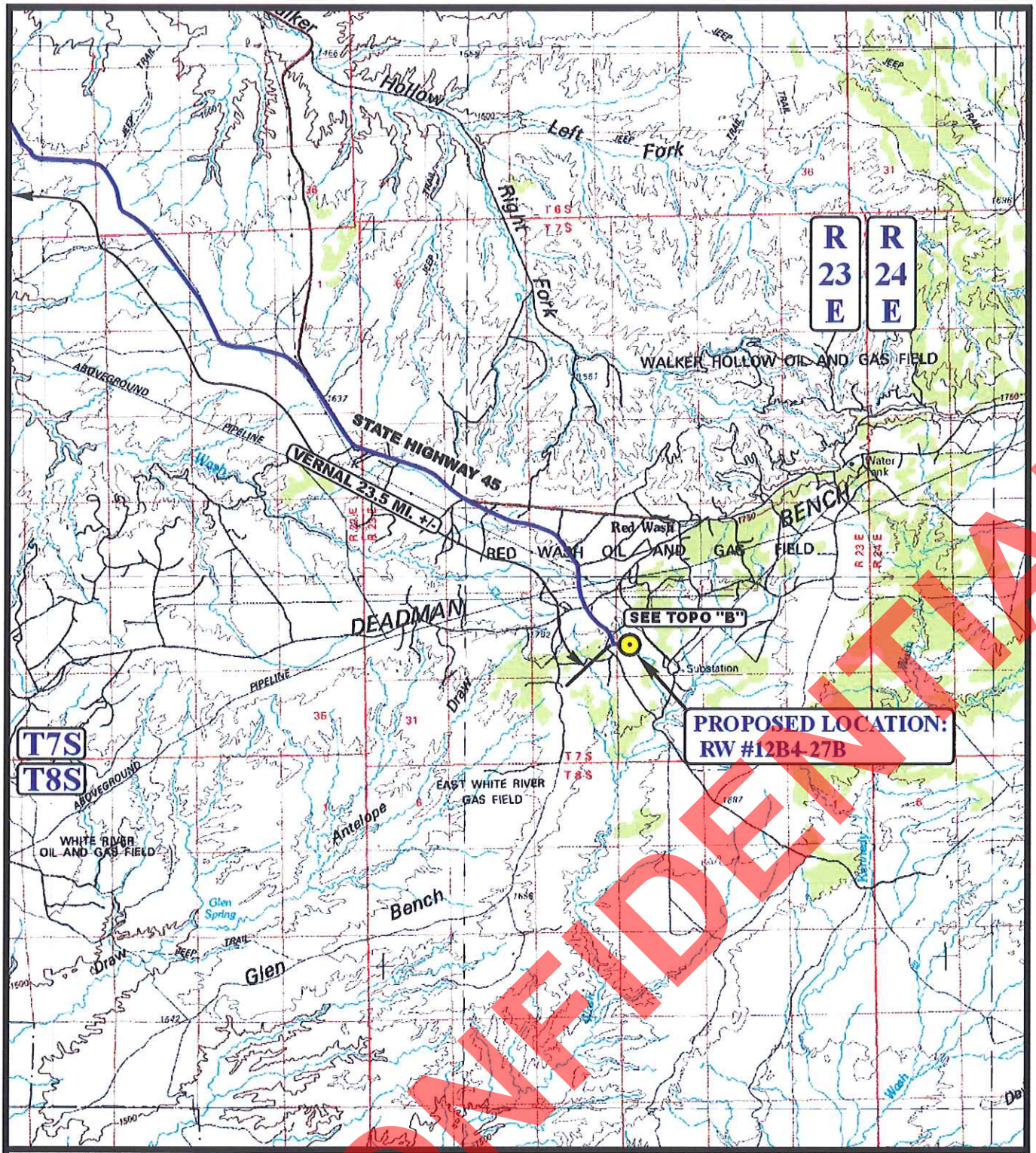
RECLAIMED AREA

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

QEP ENERGY COMPANY
RW #12B4-27B
SECTION 27, T7S, R23E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 19.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 261' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 23.7 MILES.



CONFIDENTIAL

LEGEND:

PROPOSED LOCATION

N

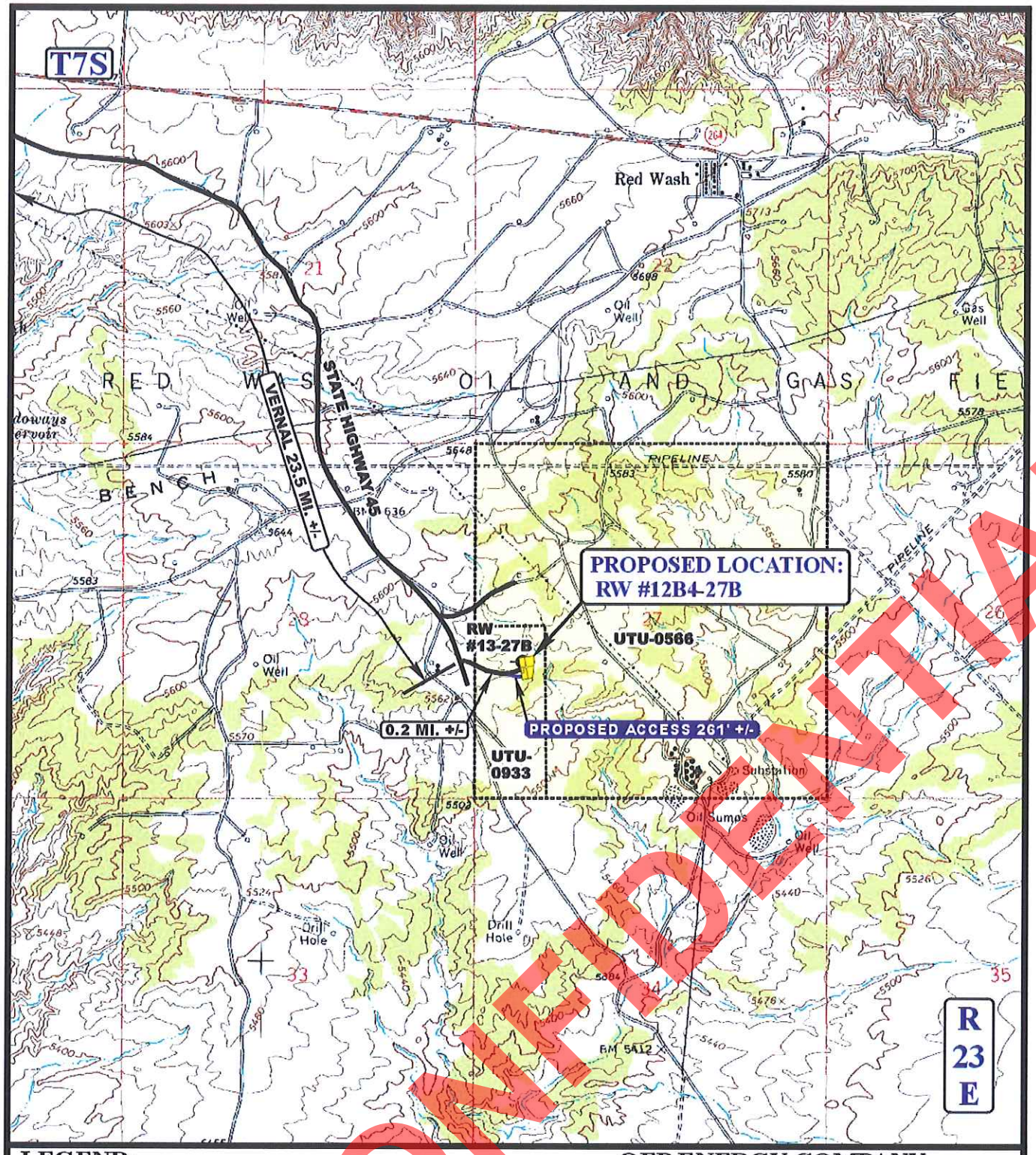
QEP ENERGY COMPANY

RW #12B4-27B
SECTION 27, T7S, R23E, S.L.B.&M.
1953' FSL 766' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP | 07 MONTH | 08 DAY | 11 YEAR | A TOPO

SCALE: 1:100,000 | DRAWN BY: C.A.G | REV: B.D.H. 11-01-11



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

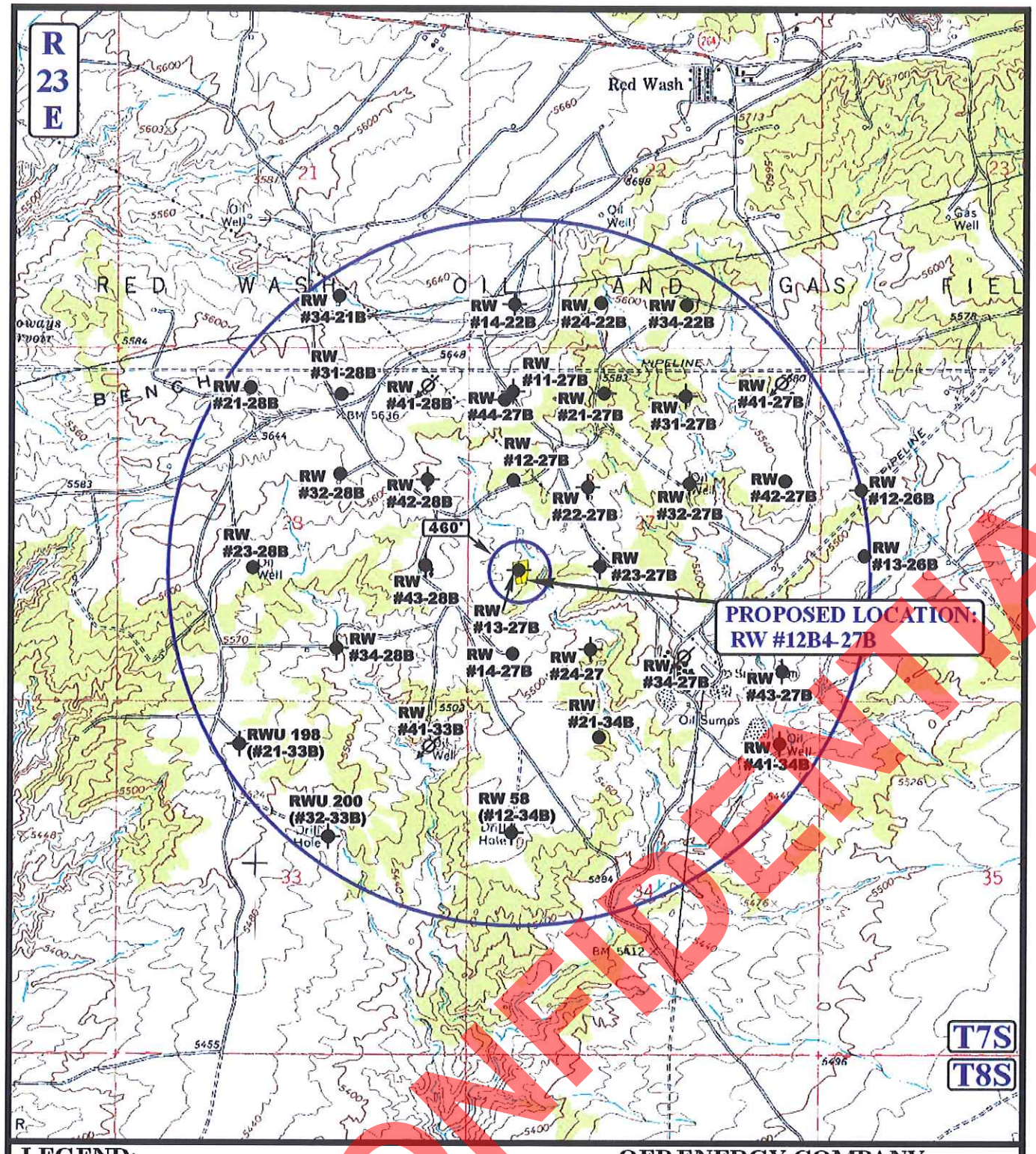
QEP ENERGY COMPANY

RW #12B4-27B
SECTION 27, T7S, R23E, S.L.B.&M.
1953' FSL 766' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	07 MONTH	08 DAY	11 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.A.G	REV: B.D.H. 11-01-11		

API Well Number: 43047522340000



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

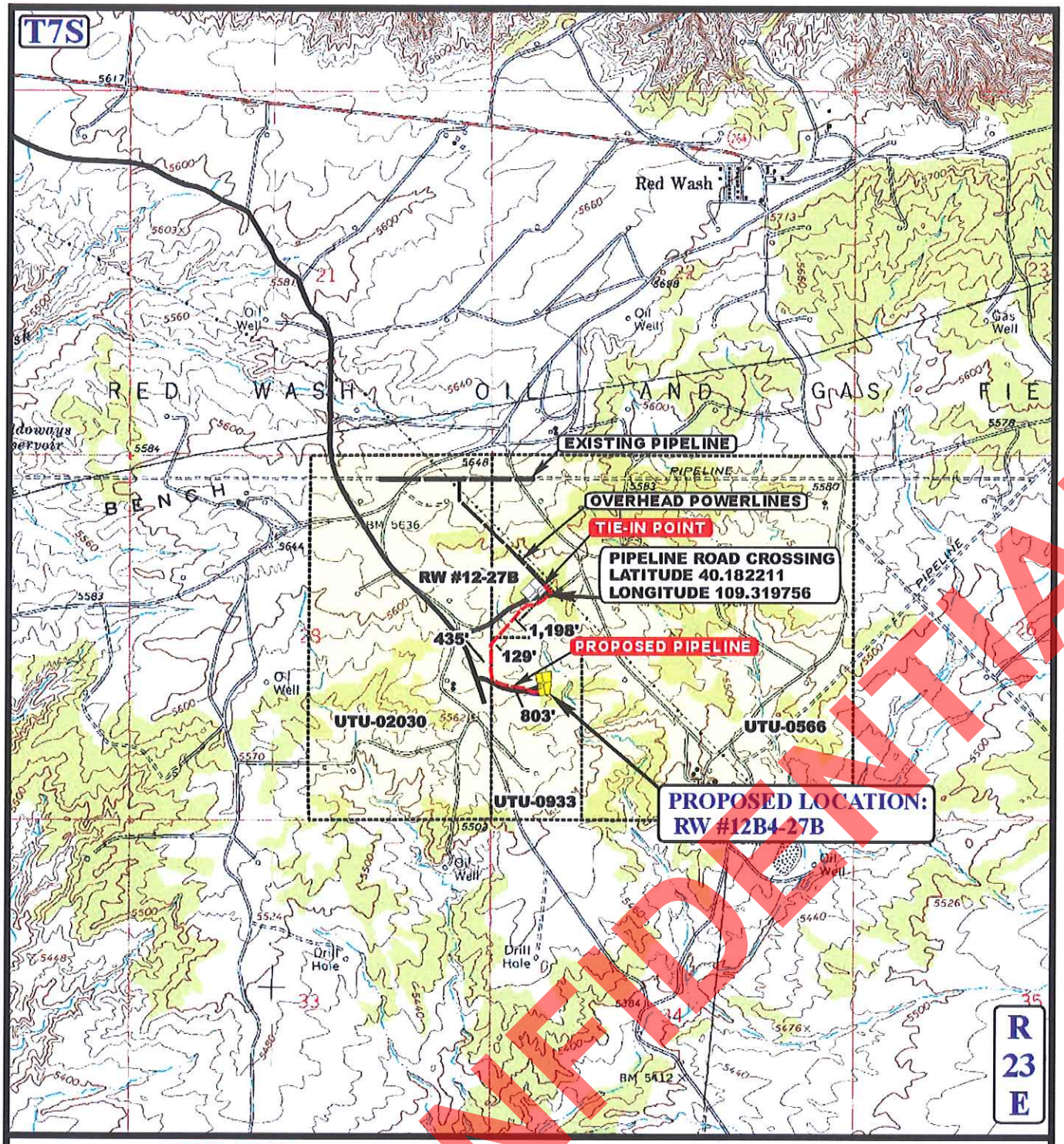
N

QEP ENERGY COMPANY

RW #12B4-27B
SECTION 27, T7S, R23E, S.L.B.&M.
1953' FSL 766' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	07 MONTH	08 DAY	11 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.A.G.	REV: B.D.H. 11-01-11		



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,565' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

QEP ENERGY COMPANY

RW #12B4-27B
SECTION 27, T7S, R23E, S.L.B.&M.
1953' FSL 766' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	07 MONTH	08 DAY	11 YEAR	D TOPO
SCALE: 1" = 2000'	DRAWN BY: C.A.G	REV: B.D.H. 11-01-11		

Additional Operator Remarks

QEP Energy Company proposes to drill a vertical gas well to a depth of 10, 955' to test the Mesa Verde Formation. This well is being twinned on well location 13-27B. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

Please see Onshore Order No. 1.

Please refer to QEP Energy Company Greater Deadman Bench
EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

Please be advised that QEP Energy Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is QEP Energy Company via surety as consent as provided for the 43 CFR 3104.2.

QEP ENERGY COMPANY
RW 12B4-27B
1953' FSL 766' FWL
NWSW, SECTION 27, T7S, R23E
UINTAH COUNTY, UTAH
LEASE # UTU-0933

ONSHORE ORDER NO. 1
MULTI – POINT SURFACE USE & OPERATIONS PLAN

THIS WELL IS BEING TWINNED ON WELL LOCATION RW 13-27B.

An onsite inspection was conducted for the RW 12B4-27B on August 24, 2011. Weather conditions were rainy at the time of the onsite. In attendance at the inspection were the following individuals:

Kevin Sadlier	Bureau of Land Management
Aaron Roe	Bureau of Land Management
Holly Villa	Bureau of Land Management
Jan Nelson	QEP Energy Company
Stephanie Tomkinson	QEP Energy Company
Ryan Angus	QEP Energy Company
Valyn Davis	QEP Energy Company
Bob Haygood	QEP Energy Company
Andy Floyd	Uintah Engineering & Land Surveying

1. **Existing Roads:**

The proposed well site is approximately 24 miles South of Vernal, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 – mile radius.

All existing roads will be maintained and kept in good repair during all phases of operation.

2. **Planned Access Roads:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Refer to Topo Map B for the location of the proposed access road.

No new access road is proposed. The access to be used is the access to the existing RW 13-27B location. The road that access's the location will be re-routed to the south end of the pad to avoid the reserve pit. The access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, 261' in length, containing .180 acres. Any additional disturbance required due to intersections or sharp curves will be discussed at the on-site and approved by the

BLM/VFO AO. Graveling or capping the roadbed will be performed as necessary to provide a well constructed safe road. Should conditions warrant, rock, gravel or culverts will be installed as needed. Surface disturbance and vehicular traffic will be limited to the approved location and access route or, as proposed by the Operator.

Access roads and surface disturbing activities will conform to standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and gas Exploration and Development, Fourth Edition 2006.The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing and will be maintained according to original construction standards. The access road disturbed area will be kept free of trash during operations. All traffic will be confined to the approved road running surface. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause excess siltation or accumulation of debris in the drainage nor shall the drainage be blocked by the roadbed. If culverts are needed, the location and size of the culverts will be proposed during the on-site. The operator will clean and maintain approved culverts as needed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, the holes shall be filled in and detours around the holes avoided. When snow is removed from the road during the winter months, the snow should be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

Refer to Topo Map B for the location of the proposed access road.

3. **Location of Existing Wells Within a 1 – Mile Radius:**
Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

The following guidelines will apply if the well is productive.

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed.

All loading lines will be placed inside the berm surrounding the tank batteries.

All permanent (on site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a color approved by the State.

It was determined on the onsite by the BLM VFO AO that the facilities will be painted Covert Green.

Refer to Topo Map D for the location of the proposed pipeline.

All existing equipment will be moved off location before any construction begins.

The proposed surface pipeline will be constructed utilizing existing disturbed areas to minimize surface disturbance. No construction activities will be allowed outside of the proposed pipeline.

Prior to construction, the Permittee will develop a plan of installation to minimize surface disturbance. Pipe will be strung along the pipeline route with either a flatbed trailer and rubber tired backhoe or a tracked typed side boom. Where surface conditions do not allow the pipe to be strung using conventional methods, the Permittee will utilize pull sections to run the fabricated pipe through the area from central staging areas along the pipeline route.

Upon completion of stringing activities the Permittee will fabricate the pipeline on wooden skids adjacent to the centerline of the pipeline route using truck mounted welding machines. All fabricated piping will be lowered off of the wooden skids and placed along the centerline. Upon completion of all activities, the wooden skids will be removed from the pipeline route using a flatbed truck or flatbed truck and trailer.

When the surface terrain prohibits the Permittee from safely installing the pipeline along the pipeline route, grading of the route will be required. Prior to installing the pipeline in these areas a plan will be developed to safely install the pipeline while minimizing grading activities and surface disturbances. Additionally, erosion control Best Management Practices will be installed as needed prior to the start of any grading activities. Surface grading will be limited to what is needed to safely install the pipeline. Track type bulldozers and track type backhoes will be utilized for grading activities.

Upon completion of the pipeline installation, the pipeline route will be restored to the pre-disturbance surface contours.

The proposed pipeline will be a surface 10" or smaller, 2,565' in length, containing 1.767 acres.

Road Crossings

Fusion Bond or concrete coated pipe will be used for all road crossings to alleviate future corrosion.

All pipe and fittings used for road crossings will be prefabricated within the proposed pipeline route to minimize the duration of open pipe trench across the

roadway. Pipe used for road crossings will be isolated on each end with a flange set and insulation kit and cathodically protected with a magnesium type anode. Adequately sized equipment will be used for minor and major road crossings. Depth of cover for minor roads will be >4' and the depth of cover for major roads will be >6'.

Prior to lowering the pipe in the trench, the Permittee will "Jeep" the pipe to locate and repair any Holidays in the pipe coating. Upon lowering the pipe in the trench, 6" of bedding and a minimum of 6" of shading will be installed to protect the pipe using either native soils <1" in diameter or imported sand. Pipe trenches that extend across gravel roads will be backfilled with native soils to within 8" of the driving surface and capped with 3/4" road base. Pipe trenches that extend across asphalt paved roads will be backfilled to 4" of the driving surface with 3/4" road base and capped asphalt material.

5. Location and Type of Water Supply:

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Water for drilling purposes would be obtained from Wonsits Valley Water Right # A 36125 (which was filed on May 7, 1964) or Red Wash Water Right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System.

6. Source of Construction Materials:

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

7. Methods of Handling Waste Materials:

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 6 months after drilling is terminated.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

It will be determined at the on-site inspection if a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner, a minimum of 20 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place.

No trash or scrap will be disposed of in the pit.

Reserve pit leaks are considered an undesirable event and will be orally reported to the AO.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days.

After the 90 day period, the produced water will be contained in tanks on location and then hauled by truck to one of the following pre-approved disposal sites:

Red Wash Disposal well located in the SESE, Section 28, T7S, R23E,
West End Disposal located in the NESE, Section 28, T7S, R22E.

Produced water, oil, and other byproducts will not be applied to roads or well pads for the control of dust or weeds. The dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site. The spills will be reported to the AO and other authorities as appropriate.

A chemical porta-toilet will be furnished with the drilling rig. The chemical porta-toilet wastes will be hauled to Ashley Valley Sewer and Water System for disposal.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig. All trash and waste material will be hauled to the Uintah County Landfill.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or

disposed of in association with the drilling, testing, or completing of wells within these areas. Specific APD's shall address any modifications from this policy.

8. Ancillary Facilities:

None anticipated.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram rig orientation, parking areas, and access roads, as well as the location of the following:

The reserve pit.

The stockpiled topsoil will not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with topsoil.

The flare pit or flare box will be located downwind from the prevailing wind direction.

Any drainage that crosses the well location will be diverted around the location by using ditches, water diversion drains or berms. If deemed necessary at the on-site, erosion drains may be installed to contain sediments that could be produced from access roads and well locations.

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

10. Fencing Requirements:

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched using a stretching device before it is attached to corner posts.

The reserve pit will be fenced on three (3) sides during drilling operations. The fourth side will be put in place when the rig moves off location. The pit will be fenced and maintained until it is backfilled. If drilling operations does not commence within 3 days, the fourth side of the fence will be installed

11. Plans for Reclamation of the Surface:

Please refer to QEP Energy Company Uinta Basin Division Reclamation Plan

Site Specific Procedures:

Site Specific Reclamation Summary:

Reclamation will follow Questar Exploration and Production Company, Uinta Basin Division's Reclamation Plan, September 2009 (Questar's Reclamation Plan) and the BLM Green River District Reclamation Guidelines.

All trash and debris will be removed from the disturbed area.

The disturbed area will be backfilled with subsoil.

Topsoil will be spread to an even, appropriate depth and disked if needed.

Water courses and drainages will be restored.

Erosion control devices will be installed where needed.

Seeding will be done in the fall, prior to ground freeze up.

Seed mix will be submitted to a BLM AO for approval prior to seeding.

Monitoring and reporting will be conducted as stated in Questar's Reclamation Plan. A reference site and weed data sheet has been established and are included in this application.

It was determined and agreed upon that there is 4" inches of top soil.

12. Surface Ownership:

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
(435) 781-4400

13. Other Information:

This well is being twinned on well location RW 13-27B.

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted on August 15, 2011, **State of Utah Antiquities Project U-11-MQ-0617b** by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

A Class III paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on June 27, 2011 **IPC # 11-93** by Stephen D. Sandau. The inspection resulted in the location of no fossil resources. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. QEP will provide Paleo monitor if needed.

Lessee's or Operator's Representative & Certification:

Valyn Davis
Regulatory Affairs Analyst
QEP Energy Company
11002 East 17500 South
Vernal, UT 84078
(435) 781-4331

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

QEP Energy Company is considered to be the operator of the subject well. QEP Energy Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104.2 for lease activities is being provided by Bond No. ESB000024

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operations; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Valyn Davis — Valyn Davis

12/7/2011 — Date

API Well Number: 43047522340000

API Number: 4304752234

Well Name: RW 12B4-27B

Township T0.7 . Range R2.3 . Section 27

Meridian: SLBM

Operator: QEP ENERGY COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1,300 650 0 1,300 Feet

1:12,566

RECEIVED: December 07, 2011

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

December 9, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Red Wash Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Red Wash Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MESA VERDE)		
43-047-52231	RW 3B4-18B	Sec 18 T07S R23E 0687 FNL 1829 FWL
43-047-52232	RW 6C1-19B	Sec 19 T07S R23E 1867 FNL 1621 FWL
43-047-52233	RW 11B4-25A	Sec 25 T07S R22E 1856 FSL 2023 FWL
43-047-52234	RW 12B4-27B	Sec 27 T07S R23E 1953 FSL 0766 FWL
43-047-52235	RW 16B4-30B	Sec 30 T07S R23E 0604 FSL 0518 FEL
43-047-52236	RW 8C1-19B	Sec 19 T07S R23E 1987 FNL 0330 FEL
43-047-52237	RW 9C1-24B	Sec 24 T07S R23E 1987 FSL 0691 FEL
43-047-52238	RW 9C1-26B	Sec 26 T07S R23E 2008 FSL 0652 FEL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2011.12.09 11:14:08 -07'00'

bcc: File - Red Wash Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:12-9-11

RECEIVED: December 09, 2011

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/7/2011
API NO. ASSIGNED: 43047522340000
WELL NAME: RW 12B4-27B
OPERATOR: QEP ENERGY COMPANY (N3700)
PHONE NUMBER: 435 781-4331
CONTACT: Jan Nelson

PROPOSED LOCATION: NWSW 27 070S 230E
Permit Tech Review: ☑

SURFACE: 1953 FSL 0766 FWL
Engineering Review: ☐

BOTTOM: 1953 FSL 0766 FWL
Geology Review: ☑

COUNTY: UINTAH
LATITUDE: 40.17866
LONGITUDE: -109.31993
UTM SURF EASTINGS: 643040.00
NORTHINGS: 4448940.00
FIELD NAME: RED WASH
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-0933
PROPOSED PRODUCING FORMATION(S): MESA VERDE
SURFACE OWNER: 1 - Federal
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - ESB000024
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** A36125 - 49-2153
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: RED WASH

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 187-07
Effective Date: 9/18/2001
Siting: Suspends General Siting

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason

RECEIVED: December 12, 2011

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: RW 12B4-27B
API Well Number: 43047522340000
Lease Number: UTU-0933
Surface Owner: FEDERAL
Approval Date: 12/12/2011

Issued to:
QEP ENERGY COMPANY, 11002 East 17500 South, Vernal, Ut 84078

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 187-07. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

Form 3160-3
(August 2007)

RECEIVED

DEC 08 2011

BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER	5. Lease Serial No. UTU0933
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA Agreement, Name and No. 892000761X
1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone	8. Lease Name and Well No. RW 12B4-27B
2. Name of Operator QEP ENERGY COMPANY Contact: JAN NELSON E-Mail: jan.nelson@qepres.com	9. API Well No. 43-047-52234
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078 / 3b. Phone No. (include area code) Ph: 435-781-4331 Fx: 435-781-4395	10. Field and Pool, or Exploratory RED WASH
4. Location of Well *(Report location clearly and in accordance with any State requirements.*)* At surface NWSW 1953FSL 766FWL 40.178667 N Lat, 109.319928 W Lon At proposed prod. zone NWSW 1953FSL 766FWL 40.178667 N Lat, 109.319928 W Lon	11. Sec., T., R., M., or Blk. and Survey or Area Sec 27 T7S R23E Mer SLB
14. Distance in miles and direction from nearest town or post office* 24 +/- SOUTHEAST OF VERNAL, UT	12. County or Parish UINTA / 13. State UT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 766 / 16. No. of Acres in Lease 560.00	17. Spacing Unit dedicated to this well 40.00
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1200 +/- / 19. Proposed Depth 10955 MD	20. BLM/BIA Bond No. on file ESB000024
21. Elevations (Show whether DF, KB, RT, GL, etc. 5542 GL / 22. Approximate date work will start 04/01/2012	23. Estimated duration 30 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission)	Name (Printed/Typed) JAN NELSON Ph: 435-781-4331	Date 12/07/2011
Title PERMIT AGENT		
Approved by (Signature)	Name (Printed/Typed) Jerry Kenczka	Date MAR 27 2012
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Electronic Submission #125046 verified by the BLM Well Information System
For QEP ENERGY COMPANY, sent to the Vernal

RECEIVED

APR 04 2012

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL

UDOGM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

12UBF0162AE

APD Posted 12/12/20

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**QEP Energy Company**	**Location:**	**NWSW, Sec. 27, T7S, R23E**
Well No:	**RW 12B4-27B**	**Lease No:**	**UTU-0933**
API No:	**43-047-52234**	**Agreement:**	**Red Wash Unit**

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were brought in from areas outside the Uinta Basin, to prevent weed seed introduction.

- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established.

- Reclamation will be completed in accordance with the QEP Energy company and Production Company, Uintah Basin Division's Reclamation Plan on file with the Vernal Field Office of the BLM.

- In the event historic or archaeological resources are uncovered during construction, work will stop immediately and the appropriate BLM AO will be notified.

- Due to the number of fossils found during the surveys at well sites, RW 3B4-18B, RW 6C1-19B, and RW 8C1-30B, it is recommended that a permitted paleontologist be present to monitor the construction processes at these locations. QEP has agreed to provide a permitted paleontologist to monitor these areas. No paleontological restrictions are required for the other well locations associated with this project. **Table 4-3** shows which wells and associated roads and pipelines will require a monitor.

Table 4-3

Well Name	Well Pad	Access Road	Pipeline
RW 3B4-18B	Yes	Yes	Yes
RW 8C1-19B	No	No	No
RW 6C1-19B	Yes	Yes	Yes
RW 6B4-21B	No	No	No
RW 5D2-26B	No	No	No
RW 12B4-27B	No	No	No
RW 8C1-30B	No	No	No
RW 16B4-30B	Yes	Yes	Yes

Yes, indicates a permitted paleontologist will be present to monitor the construction process.

- If paleontologic resources are uncovered during construction activities, the operator shall immediately suspend all operations that will further disturb such resources, and immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.

QEP has agreed not to construct or drill during the following dates, unless otherwise determined by the BLM Authorized Officer.

Table 2-2 Raptor nesting timing restriction

Well Name	Burrowing Owl March 1 to August 31	Red Tailed Hawk March 1 to August 15	Ferruginous Hawk March 1 to August 1
RW 3B4-18B	No	No	No
RW 8C1-19B	No	No	No
RW 6C1-19B	No	No	No
RW 6B4-21B	Yes	No	Yes
RW 5D2-26B	No	No	No
RW 12B4-27B	No	No	No
RW 8C1-30B	No	Yes	No
RW 16B4-30B	No	No	No

Yes indicates QEP will not drill or construct during this time period.

- All internal combustion equipment will be kept in good working order.
- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers. The use of low bleed pneumatics will result in a lower emission of VOCs.
- During completion, flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Well site telemetry will be utilized as feasible for production operations.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
- The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a BLM and Service approved location is best.
- If the pump head is located in the river channel where larval fish are known to occur, the following measures apply:
    - do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes;
    - limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 31); and
    - limit the amount of pumping, to the greatest extent possible, during the pre-dawn hours as larval drift studies indicate that this is a period of greatest daily activity.
- Screen all pump intakes with 3/32" mesh material.

- Approach velocities for intake structures will follow the National Marine Fisheries Service's document "Fish Screening Criteria for Anadromous Salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity will not exceed 0.33 feet per second (ft/s).

- Report any fish impinged on the intake screen to the Service (801.975.3330) and the Utah Division of Wildlife Resources:

  Northeastern Region
  152 East 100 North, Vernal, UT 84078
  Phone: (435) 781-9453

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Gamma ray log shall be run from Total Depth to Surface.
- CBL will be run from TD to TOC.

Variances Granted:

- Air Drilling
  - Properly lubricated and maintained rotating head. Variance granted to use a properly maintained and lubricated diverter bowl in place of a rotating head
  - Blooie line discharge 100' from the well bore. Variance granted for blooie line discharge to be 50' to 70' from the well bore.
  - Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for truck/trailer mounted air compressors located 50' form the well bore.
  - In lieu of mud productions on location, operator will fill a 400 bbl tank with water for the kill medium.
  - Automatic igniter. Variance granted for igniter, a diffuser will be used instead. Operator will mount a deflector at the end of the blooie line to change direction and reduce the velocity of the cuttings flow to the reserve pit.
  - Flare pit. Variance granted, there is no need of a flare during the drilling of the surface hole.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs,

core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Sundry Number: 27254 API Well Number: 43047522340000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0933

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RW 12B4-27B

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047522340000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1953 FSL 0766 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 27 Township: 07.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/2/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP ENERGY COMPANY WOULD LIKE TO OPTIMIZE THE BOTTOM HOLE SPACING OF THE MESA VERDE DEVELOPMENT, THEREFORE, QEP ENERGY COMPANY WOULD LIKE TO DRILL THIS WELL DIRECTIONALLY.

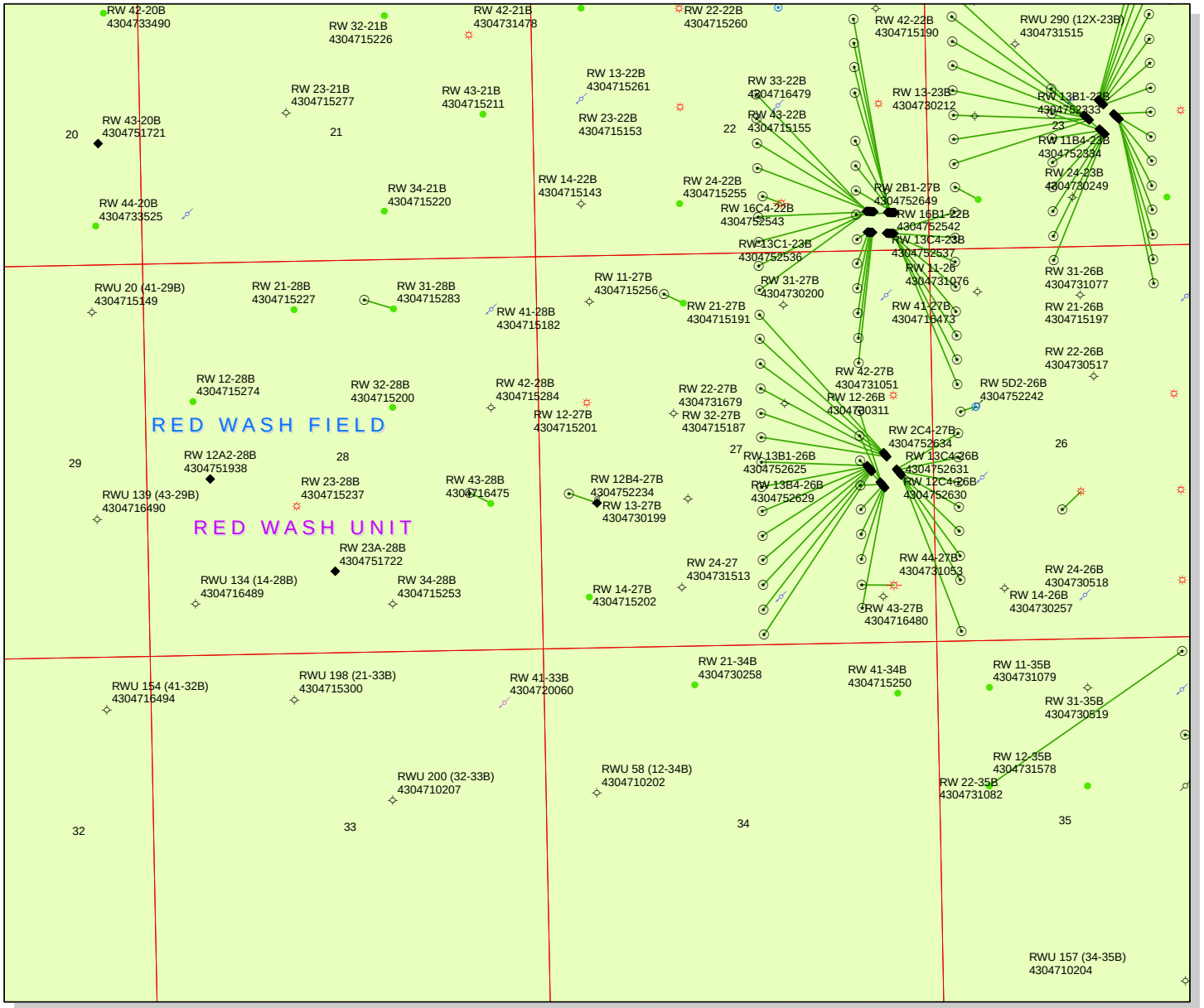
Approved by the Utah Division of Oil, Gas and Mining

Date: July 11, 2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE N/A		**DATE** 7/2/2012

RECEIVED: Jul. 02, 2012



API Number: 4304752234

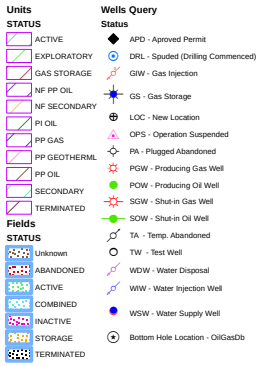
Well Name: RW 12B4-27B

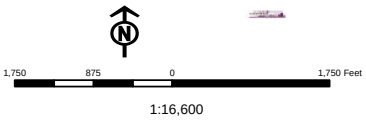
Township T07.0S Range R23.0E Section 27

Meridian: SLBM

Operator: QEP ENERGY COMPANY

Map Prepared:
Map Produced by Diana Mason





1:16,600

RECEIVED: Jul. 03, 2012

QEP Energy Company

11002 East 17500 South
Vernal, UT 84078
Telephone 435-781-4369
Fax 435-781-4395

July 2, 2012

Ms. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

RE: Directional Drilling R649-3-11
Red Wash Unit
RW 12B4-27B
1953' FSL 766' FWL, NWSW, Section 27, T7S, R23E (Surface)
2088' FSL 392' FWL, NWSW, Section 27, T7S, R23E (Bottom Hole)
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of QEP Energy Company Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649 -3-11 pertaining to the location and drilling of a directional well.

QEP Energy Company would like to optimize the bottom hole spacing of the Mesa Verde development; therefore, QEP Energy Company would like to drill this well directionally.

Furthermore, QEP Energy Company certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

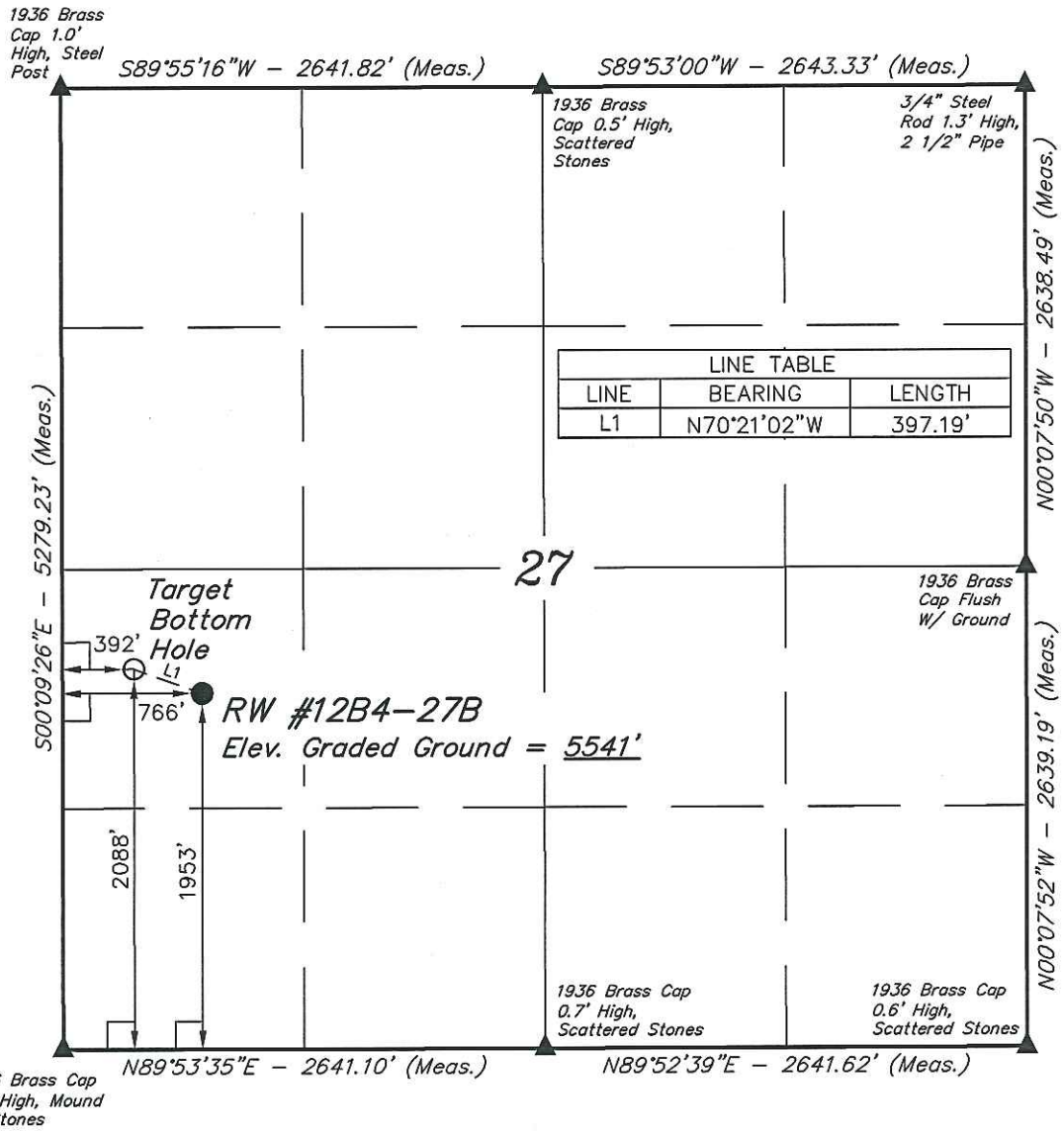
Therefore, based on the above stated information QEP Energy Company requests the permit be granted pursuant to Rule R649-3-11.

Sincerely,

QEP Energy Company

Valyn Davis
Regulatory Affairs Analyst

T7S, R23E, S.L.B.&M.



LINE TABLE		
LINE	BEARING	LENGTH
L1	N70°21'02"W	397.19'

QEP ENERGY COMPANY

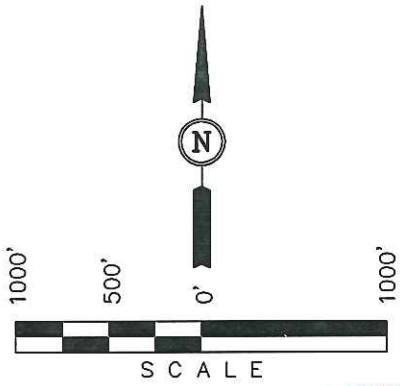
Well location, RW #12B4–27B, located as shown in the NW 1/4 SW 1/4 of Section 27, T7S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH 06-29-12

REV: 06–29–12 C.A.G.

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°10'44.53" (40.179036)	LATITUDE = 40°10'43.20" (40.178667)
LONGITUDE = 109°19'16.55" (109.321264)	LONGITUDE = 109°19'11.74" (109.319928)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°10'44.66" (40.179072)	LATITUDE = 40°10'43.33" (40.178703)
LONGITUDE = 109°19'14.10" (109.320583)	LONGITUDE = 109°19'09.29" (109.319247)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	10–24–11	11–02–11
PARTY: A.F. B.A. J.I.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: QEP ENERGY COMPANY	

Sundry Number: 27254 API Well Number: 43047522340000

QEP Energy Company

QEP ENERGY (UT)

Red Wash
RW 13-27B (RW 12B4-27B) Pad
RW 12B4-27B

Original Hole

Plan: Plan ver.1

Standard Planning Report

29 May, 2012

QEP Energy Company

QEP Energy Company

QEP Resources, Inc.
Planning Report

QEP Energy Company

Database:	EDMDB_QEP	**Local Co-ordinate Reference:**	Well RW 12B4-27B
Company:	QEP ENERGY (UT)	**TVD Reference:**	RKB @ 5557.10usft (FRONTIER 2)
Project:	Red Wash	**MD Reference:**	RKB @ 5557.10usft (FRONTIER 2)
Site:	RW 13-27B (RW 12B4-27B) Pad	**North Reference:**	True
Well:	RW 12B4-27B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.1		

Project Red Wash

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site RW 13-27B (RW 12B4-27B) Pad

Site Position:		**Northing:**	7,241,256.737 usft	**Latitude:**	40.178747
From:	Lat/Long	**Easting:**	2,249,480.280 usft	**Longitude:**	-109.319947
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	1.40 °

Well RW 12B4-27B

Well Position	**+N/-S**	-29.35 usft	**Northing:**	7,241,227.526 usft	**Latitude:**	40.178667
	+E/-W	5.43 usft	**Easting:**	2,249,486.427 usft	**Longitude:**	-109.319928
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	5,541.10 usft	**Ground Level:**	5,541.10 usft

Wellbore Original Hole

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/10/2012	10.91	66.03	52,356

Design Plan ver.1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	289.65

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,809.12	16.18	295.37	2,798.41	48.64	-102.56	2.00	2.00	0.00	295.37	
3,784.83	16.18	295.37	3,735.46	165.15	-348.26	0.00	0.00	0.00	0.00	
4,863.66	0.00	0.00	4,800.00	230.00	-485.00	1.50	-1.50	0.00	180.00	
8,520.66	0.00	0.00	8,457.00	230.00	-485.00	0.00	0.00	0.00	0.00	
8,753.99	3.50	131.00	8,690.19	225.33	-479.62	1.50	1.50	0.00	131.00	
11,045.08	3.50	131.00	10,977.00	133.56	-374.06	0.00	0.00	0.00	0.00	

QEP Energy Company

QEP Resources, Inc.
Planning Report

QEP Energy Company

Database:	EDMDB_QEP	**Local Co-ordinate Reference:**	Well RW 12B4-27B
Company:	QEP ENERGY (UT)	**TVD Reference:**	RKB @ 5557.10usft (FRONTIER 2)
Project:	Red Wash	**MD Reference:**	RKB @ 5557.10usft (FRONTIER 2)
Site:	RW 13-27B (RW 12B4-27B) Pad	**North Reference:**	True
Well:	RW 12B4-27B	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,809.12	16.18	295.37	2,798.41	48.64	-102.56	112.94	2.00	2.00	0.00
3,784.83	16.18	295.37	3,735.46	165.15	-348.26	383.51	0.00	0.00	0.00
4,863.66	0.00	0.00	4,800.00	230.00	-485.00	534.10	1.50	-1.50	0.00
8,520.66	0.00	0.00	8,457.00	230.00	-485.00	534.10	0.00	0.00	0.00
8,753.99	3.50	131.00	8,690.19	225.33	-479.62	527.46	1.50	1.50	0.00
11,045.08	3.50	131.00	10,977.00	133.56	-374.06	397.19	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
RW 12B4-27B	0.00	0.00	8,457.00	182.49	-429.52	7,241,399.480	2,249,052.620	40.179168	-109.321465
- plan misses target center by 73.07usft at 8522.89usft MD (8459.23 TVD, 230.00 N, -485.00 E)									
- Circle (radius 100.00)									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
3,500.00	3,461.91	9 5/8"	9-5/8	12-1/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,850.35	2,838.00	Green River		0.00	
3,692.72	3,647.00	Mahog. Bench		0.00	
5,620.66	5,557.00	Est. base of moderately saline water		0.00	
6,250.66	6,187.00	Wasatch		0.00	
8,520.66	8,457.00	Mesaverde		0.00	
10,944.89	10,877.00	Sego		0.00	

Company Name: QEP ENERGY (UT)

QEP Energy Company

Azimuths to True North
Magnetic North: 10.91°

Magnetic Field
Strength: 52356.1nT
Dip Angle: 66.03°
Date: 5/10/2012
Model: IGRF2010

Project: Red Wash
Site: RW 13-27B (RW 12B4-27B) Pad
Well: RW 12B4-27B
Wellbore: Original Hole
Design: Plan ver.1

WELL DETAILS: RW 12B4-27B

Ground Level: 5541.10

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7241227.526	2249486.427	40.178667	-109.319928	

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well RW 12B4-27B, True North
Vertical (TVD) Reference: RKB @ 5557.10usft (FRONTIER 2)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: RKB @ 5557.10usft (FRONTIER 2)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Red Wash

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
RW 12B4-27B	8457.00	182.49	-429.52	7241399.480	2249052.620	Circle (Radius: 100.00)

SECTION DETAILS

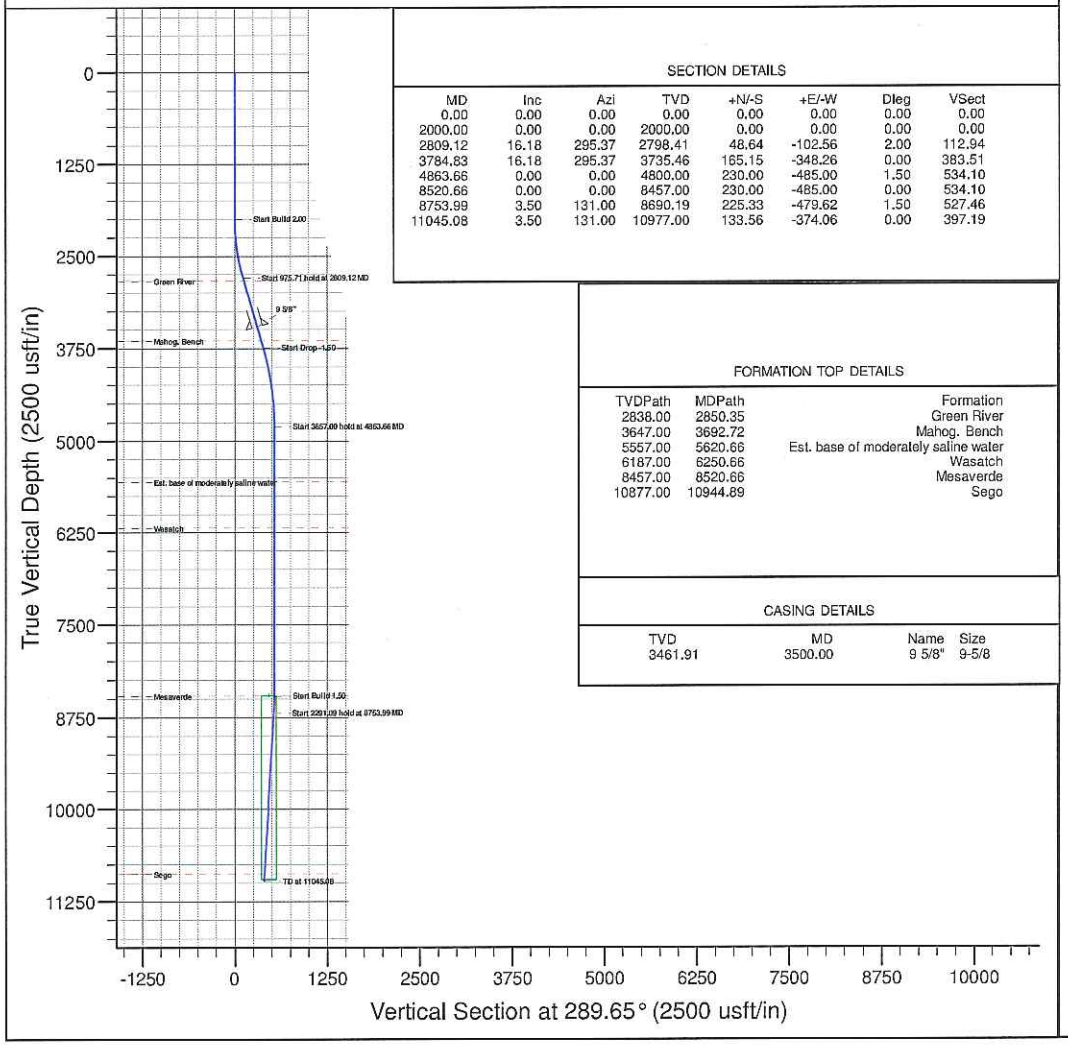
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00
2809.12	16.18	295.37	2798.41	48.64	-102.56	2.00	112.94
3784.83	16.18	295.37	3735.46	165.15	-348.26	0.00	383.51
4863.66	0.00	0.00	4800.00	230.00	-485.00	1.50	534.10
8520.66	0.00	0.00	8457.00	230.00	-485.00	0.00	534.10
8753.99	3.50	131.00	8690.19	225.33	-479.62	1.50	527.46
11045.08	3.50	131.00	10977.00	133.56	-374.06	0.00	397.19

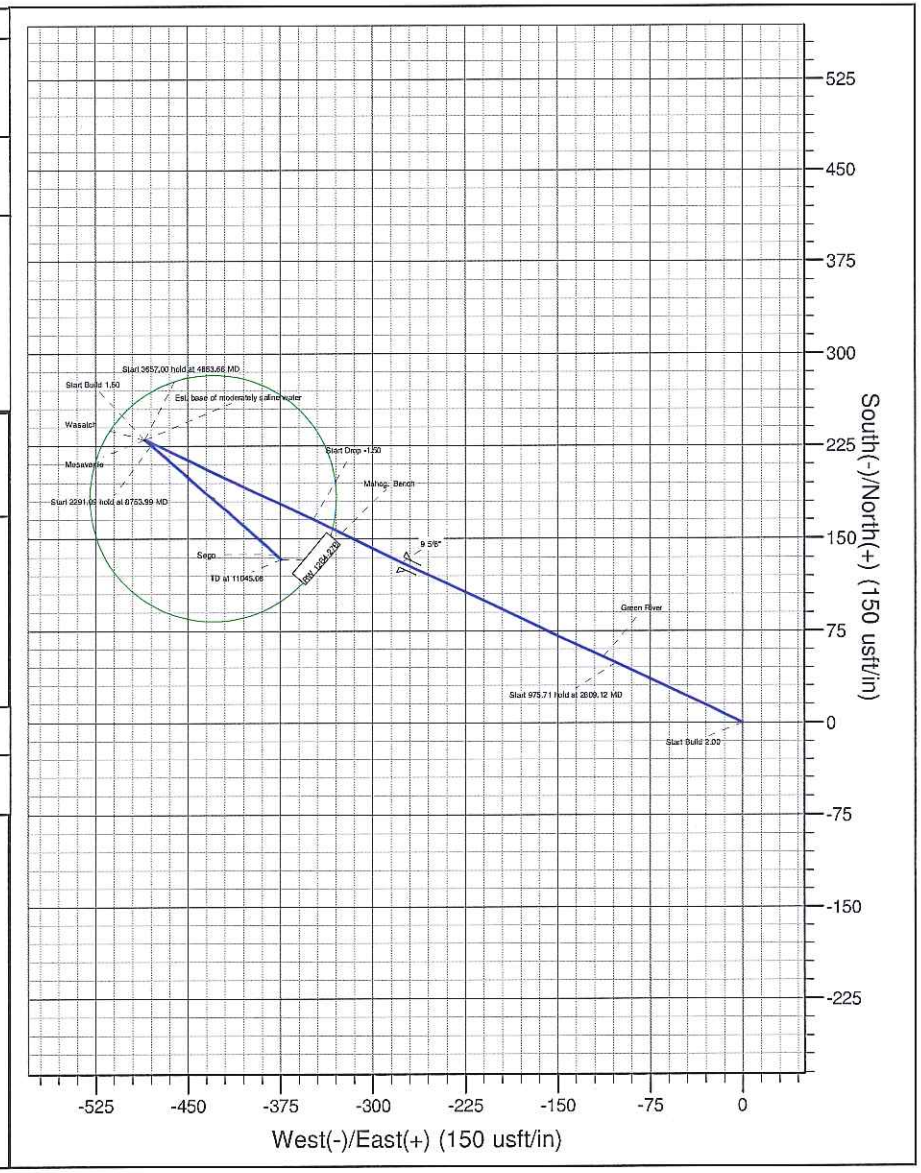
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2838.00	2850.35	Green River
3647.00	3692.72	Mahog. Bench
5557.00	5620.66	Est. base of moderately saline water
6187.00	6250.66	Wasatch
8457.00	8520.66	Mesaverde
10877.00	10944.89	Sego

CASING DETAILS

TVD	MD	Name	Size
3461.91	3500.00	9 5/8"	9-5/8





Sundry Number: 27254 API Well Number: 43047522340000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0933

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RW 12B4-27B

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047522340000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1953 FSL 0766 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 27 Township: 07.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☑ SPUD REPORT Date of Spud: 7/23/2012	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ON JULY 23, 2012, QEP ENERGY COMPANY SET 90' OF 14" CONDUCTOR PIPE AND CEMENTED IT WITH READY MIX.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 25, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE N/A		**DATE** 7/24/2012

RECEIVED: Jul. 24, 2012

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-0933

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
RED WASH

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
RW 12B4-27B

2. NAME OF OPERATOR:
QEP ENERGY COMPANY

9. API NUMBER:
43047522340000

3. ADDRESS OF OPERATOR:
11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER:
303 308-3068 Ext

9. FIELD and POOL or WILDCAT:
RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1953 FSL 0766 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWSW Section: 27 Township: 07.0S Range: 23.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/19/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP ENERGY COMPANY REQUESTS TO CHANGE THE SURFACE CASING ON THE RW 12B4-27B. THE CHANGE WILL BE AS FOLLOWS: DRILL 9 7/8" HOLE, RUN 7 5/8" 26.4#/FT N-80 LTC CASING TO 3,695' MD. VERBAL APPROVAL FOR THIS ACTION WAS RECEIVED FROM ROBIN HANSEN AT THE BLM ON 07/18/2012 AT 1800 HOURS.

Accepted by the Utah Division of Oil, Gas and Mining

Date: August 08, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE		**DATE**
N/A		7/19/2012

RECEIVED: Jul. 19, 2012

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# FRONTIER #2
Submitted By JIMMY KITTRELL Phone Number 435-828-0315 / 970-812-0587
Well Name/Number RW 12B4-27B
Qtr/Qtr NW/SW Section 27 Township 7S Range 23E
Lease Serial Number UTU 0933
API Number 43-047-52234

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 8/9/2012 06:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED
AUG 08 2012
DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks WE WILL BE DRILLING SURFACE HOLE 8/9/2012
WILL CALL IF ANY DELAYED

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# FRONTIER 2 Submitted By JIMMY KITTRELL Phone Number 435-828-0315

Well Name/Number RW 12B4-27B
Qtr/Qtr NW/SW Section 27 Township 7 S Range 23 E
Lease Serial Number UTU 0933
API Number 43-047-52234

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 8/11/2012 18:00HRS. ___ AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time ___ AM ☐ PM ☐

RECEIVED
AUG 14 2012
DIV. OF OIL, GAS & MINING

Remarks IF NO TROUBLE WITH LOST CIRC, THESE TIMES WILL BE CLOSE. RUNNING SURFACE CASING & CEMENT TO RW 12B4-27B API # 43-047-52234 8/11/2012 @ 18:00 HRS.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# FRONTIER 2 Submitted By JIMMY KITTRELL Phone Number 435-828-0315

Well Name/Number RW 12B4-27B
Qtr/Qtr NW/SW Section 27 Township 7 S Range 23 E
Lease Serial Number UTU 0933
API Number 43-047-52234

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time _____ ___ AM ☐ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 08:00 8/13/2012 AM ☒ PM ☐

RECEIVED
AUG 14 2012
DIV. OF OIL, GAS & MINING

Remarks IF NO TROUBLE WITH LOST CIRC, RUNNING CASING & CEMENT THESE TIMES WILL BE CLOSE. TEST BOP TO RW 12B4-27B API # 43-047-52234 8/13/2012 @ 08:00 HRS.

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: QEP ENERGY COMPANY
Operator Account Number: N 3700
Address: 11002 EAST 17500 SOUTH
city VERNAL
state UT zip 84078
Phone Number: (435) 781-4369

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752234	RW 12B4-27B		NWSW	27	7S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
C	99999	18478	7/23/2012			8/20/2012	

Comments: WMMFD CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Valyn Davis
Name (Please Print)
Valyn Davis
Signature
Regulatory Affairs Analyst
Title
8/2/2012
Date

RECEIVED
AUG 06 2012
Div. of Oil, Gas & Mining

(5/2000)

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# FRONTIER 2 Submitted
By MURRAY BECKER Phone Number 435-828-0315

Well Name/Number RW 12B4-27B
Qtr/Qtr NW/SW Section 27 Township 7 S Range 23 E
Lease Serial Number UTU 0933
API Number 43-047-52234

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

☐ Surface Casing
☐ Intermediate Casing
☒ Production Casing
☐ Liner
☐ Other

Date/Time 9/4/2012 06:00HRS. X AM ☐ PM ☐

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _ ___ AM ☐ PM ☐

RECEIVED
SEP 04 2012
DIV. OF OIL, GAS & MINING

Remarks IF NO TROUBLE WITH LOST CIRC, THESE TIMES WILL BE CLOSE. RUNNING 4.5" CASING & CEMENT TO RW 12B4-27B API # 43-047-52234 09/04/2012 @ 06:00 HRS.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0933

SUNDRY NOTICES AND REPORTS ON WELLS

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6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RW 12B4-27B

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047522340000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1953 FSL 0766 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 27 Township: 07.0S Range: 23.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 9/22/2012	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☑ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THIS WELL COMMENCED PRODUCTION ON SEPTEMBER 22, 2012 @ 7:00 p.m.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 25, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE		**DATE**
N/A		9/24/2012

RECEIVED: Sep. 24, 2012

CONFIDENTIAL

AMENDED REPORT ☐ FORM 8
(highlight changes)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU0933

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: RED WASH

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: RW 12B4-27B

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 4304752234

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4320

10 FIELD AND POOL, OR WILDCAT: RED WASH

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: NWSW, 1953' FSL, 766' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: NWSW, 2177' FSL, 311' FWL
AT TOTAL DEPTH: ~~NWSW, 2168' FSL, 333' FWL~~ 2164 FSL 0339 FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 27 7S 23E

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED: 7/23/2012

15. DATE T.D. REACHED: 9/4/2012

16. DATE COMPLETED: 9/21/2012 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5557 KB

18. TOTAL DEPTH: MD 11,024 TVD 10,968

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
✓TRIPLE COMBO, CBL

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
9.875	7.625 P110	29.7	0	3,690		680	277		
6.75	4.5 HCP	11.6	0	11,025		895	372		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	10,875							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESA VERDE	10,124	10,900		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
10,124 10,900	.42	169	Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

RECEIVED
Oct 17 2012
DIV. OF OIL, GAS & MINING

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
10,124 - 10,900	14,037 BBLS SLICKWATER, 340,000 LBS 30/50 SAND

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☑ OTHER: OPS SUMMARY

30. WELL STATUS: PGW

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
9/22/2012	9/25/2012	24		25	2,123	854	FLOWS

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
22/64	1,882	3,067					25	2,123	854	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER	2,873
				MAHOGANY	3,651
				WASATCH	6,174
				MESA VERDE	8,383
				SEGO	10,978

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) VALYN DAVIS TITLE REGULATORY AFFAIRS ANALYST

SIGNATURE Valyn Davis DATE 10/15/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

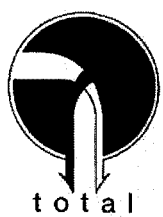
(5/2000)

QEP ENERGY

RED WASH (UTAH)
RW 13-27B (RW 12B4-27B) PAD
RW 12B4-27B - Slot RW 12B4-27
ORIGINAL WELLBORE

27 August, 2012

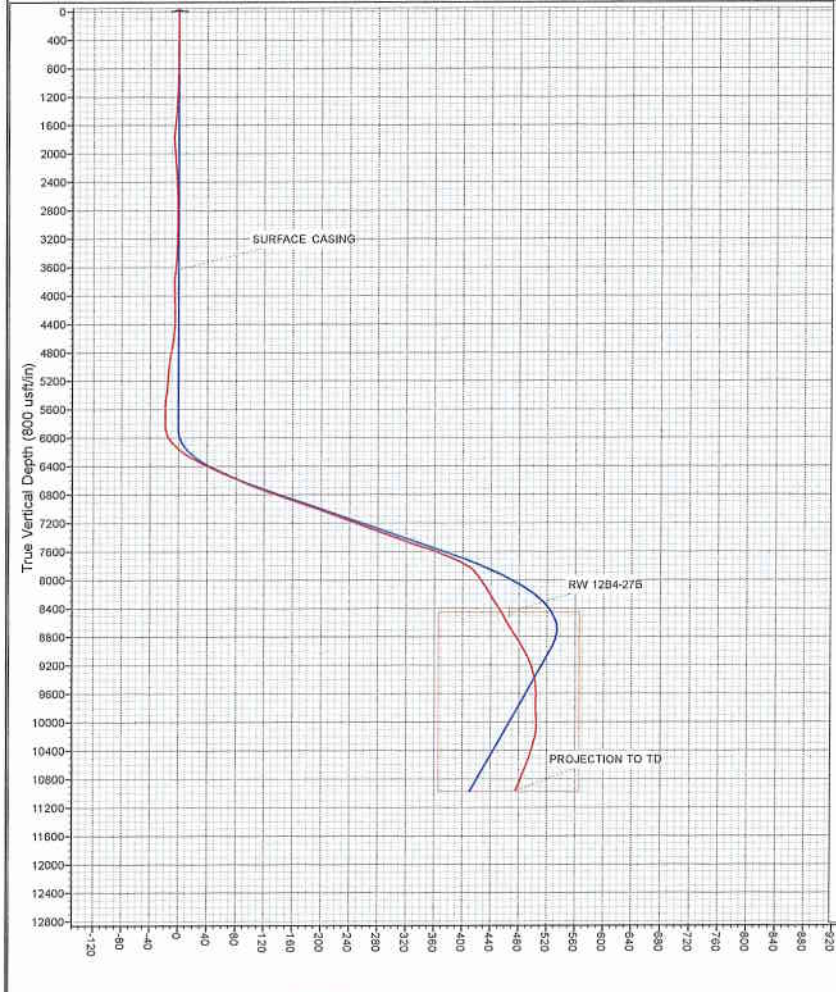
Survey: FINAL SURVEYS



QEP Energy Company

Project: RED WASH (UTAH)
Site: RW 13-27B (RW 12B4-27B) PAD
Well: RW 12B4-27B
Wellbore: ORIGINAL WELLBORE
Design: FINAL SURVEYS

total

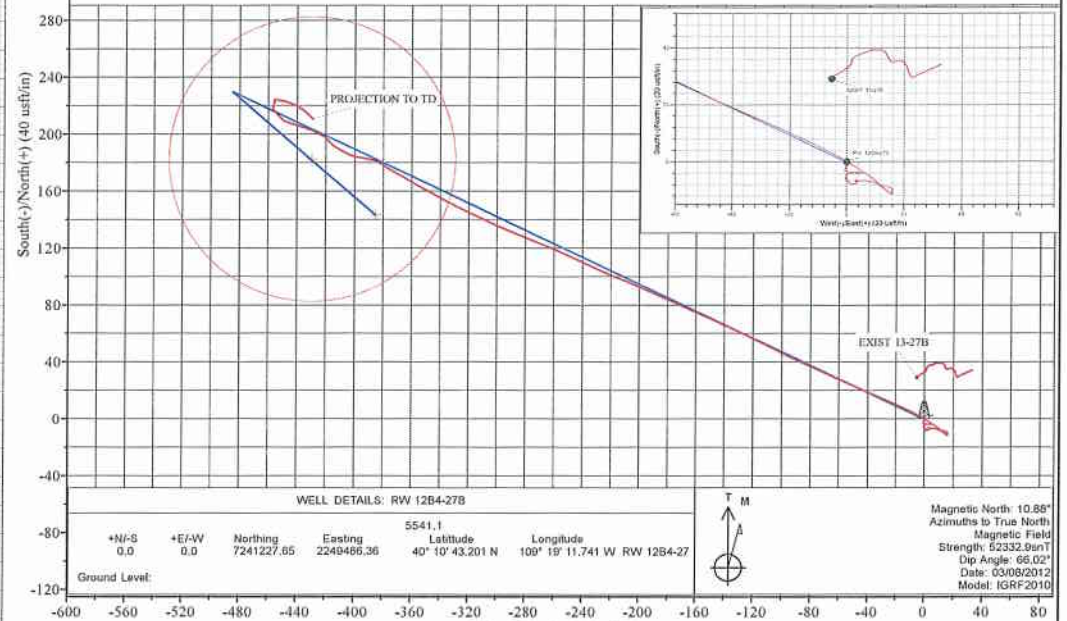


ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	TIE ON TO SURFACE
3634.9	3635.0	0.79	110.37	-7.8	1.5	-4.2	21.7	SURFACE CASING
10968.6	11025.0	2.77	138.25	210.9	-429.0	475.6	611.2	PROJECTION TO TD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
RW 12B4-27B	8457.0	182.5	-429.5	7241399.61	2249052.56	40° 10' 45.004 N	109° 19' 17.274 W
BHL - 12B4-27B	109777.0	143.3	-385.3	7241361.53	2249097.74	40° 10' 44.617 N	109° 19' 16.705 W



WELL DETAILS: RW 12B4-27B

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	7241227.65	2249486.36	40° 10' 43.201 N	109° 19' 11.741 W	RW 12B4-27

Ground Level: 5541.1

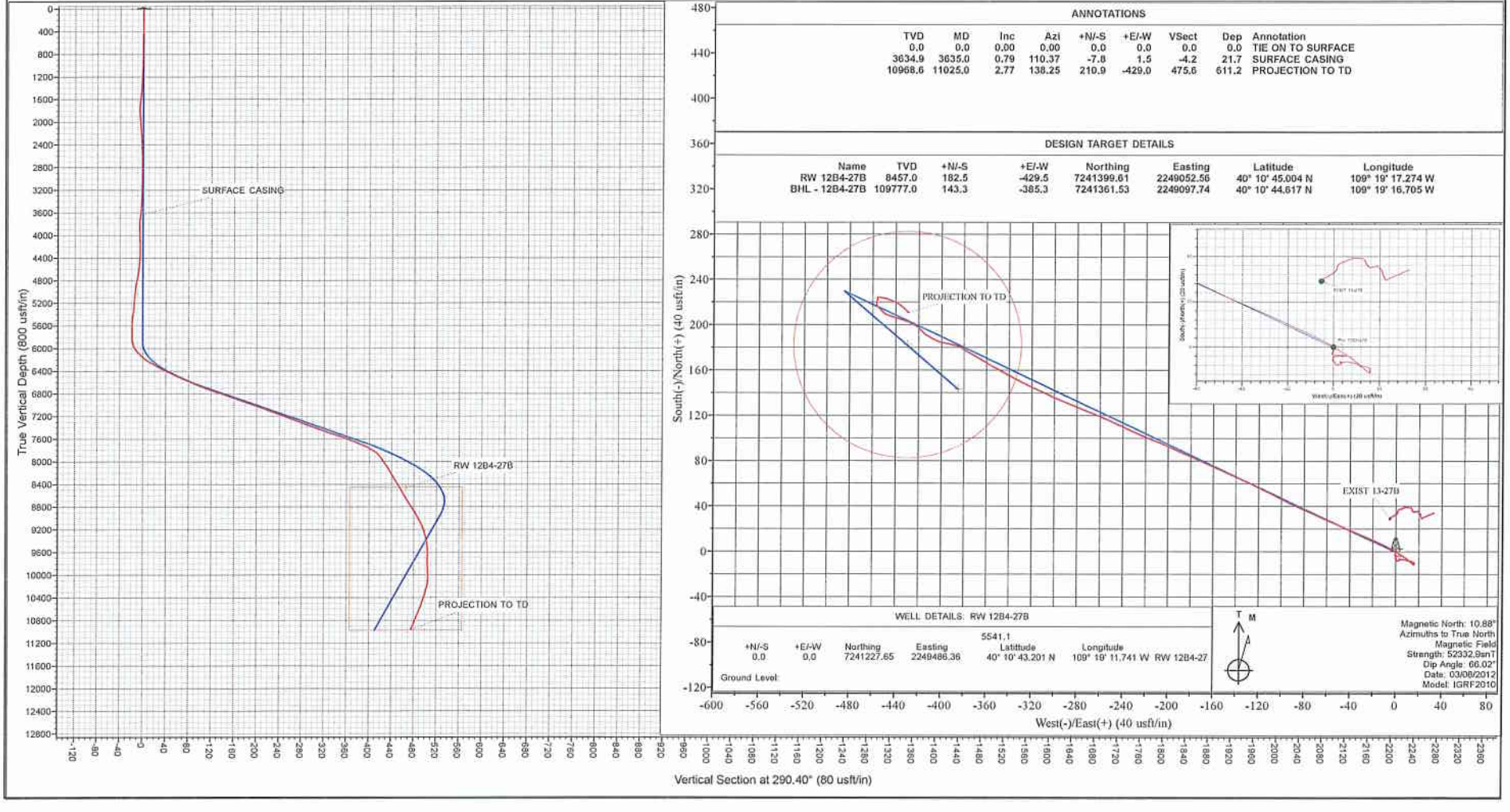
Magnetic North: 10.88°
Azimuths to True North
Magnetic Field
Strength: 52332.9nT
Dip Angle: 66.02°
Date: 03/08/2012
Model: IGRF2010

Vertical Section at 290.40° (80 usft/in)

QEP Energy Company

Project: RED WASH (UTAH)
Site: RW 13-27B (RW 12B4-27B) PAD
Well: RW 12B4-27B
Wellbore: ORIGINAL WELLBORE
Design: FINAL SURVEYS

total



ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	VSect	Dep	Annotation
0.0	0.0	0.00	0.00	0.0	0.0	0.0	0.0	TIE ON TO SURFACE
3634.9	3635.0	0.79	110.37	-7.8	1.5	-4.2	21.7	SURFACE CASING
10968.6	11025.0	2.77	138.25	210.9	-429.0	475.6	611.2	PROJECTION TO TD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
RW 12B4-27B	8457.0	182.5	-429.5	7241399.61	2249052.56	40° 10' 45.004 N	109° 19' 17.274 W
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WELL DETAILS: RW 12B4-27B

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
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Ground Level: 5541.1

Magnetic North: 10.88°
Azimuths to True North
Magnetic Field
Strength: 52332.9snT
Dip Angle: 66.02°
Date: 03/08/2012
Model: IGRF2010

Survey Report

Company:	QEP ENERGY	**Local Co-ordinate Reference:**	Well RW 12B4-27B - Slot RW 12B4-27
Project:	RED WASH (UTAH)	**TVD Reference:**	KB-EST @ 5557.1usft (Original Well Elev)
Site:	RW 13-27B (RW 12B4-27B) PAD	**MD Reference:**	KB-EST @ 5557.1usft (Original Well Elev)
Well:	RW 12B4-27B	**North Reference:**	True
Wellbore:	ORIGINAL WELLBORE	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL SURVEYS	**Database:**	EDM_5000_1_7

Project RED WASH (UTAH)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site RW 13-27B (RW 12B4-27B) PAD

Site Position:		**Northing:**	7,241,227.65 usft	**Latitude:**	40° 10' 43.201 N
From:	Lat/Long	**Easting:**	2,249,486.36 usft	**Longitude:**	109° 19' 11.741 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	1.40 °

Well RW 12B4-27B - Slot RW 12B4-27

Well Position	**+N/-S**	0.0 usft	**Northing:**	7,241,227.65 usft	**Latitude:**	40° 10' 43.201 N
	+E/-W	0.0 usft	**Easting:**	2,249,486.36 usft	**Longitude:**	109° 19' 11.741 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	5,541.1 usft

Wellbore ORIGINAL WELLBORE

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	03/08/2012	10.88	66.02	52,333

Design FINAL SURVEYS

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	290.40

Survey Program **Date** 27/08/2012

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
206.0	11,025.0	FINAL SURVEYS (ORIGINAL WELLBORI	MWD	MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
TIE ON TO SURFACE										
0.0	***0.00***	***0.00***	***0.0***	***5,557.1***	***0.0***	***0.0***	***0.0***	***0.00***	***0.00***	***0.00***
206.0	0.44	185.26	206.0	5,351.1	-0.8	-0.1	-0.2	0.21	0.21	0.00
295.0	0.22	207.58	295.0	5,262.1	-1.3	-0.2	-0.3	0.28	-0.25	25.08
385.0	0.40	188.00	385.0	5,172.1	-1.7	-0.3	-0.3	0.23	0.20	-21.76
474.0	0.40	204.24	474.0	5,083.1	-2.3	-0.5	-0.4	0.13	0.00	18.25
563.0	0.18	212.76	563.0	4,994.1	-2.7	-0.7	-0.3	0.25	-0.25	9.57
654.0	0.13	174.97	654.0	4,903.1	-3.0	-0.7	-0.3	0.12	-0.05	-41.53
748.0	0.09	135.42	748.0	4,809.1	-3.1	-0.7	-0.4	0.09	-0.04	-42.07
838.0	0.18	74.51	838.0	4,719.1	-3.1	-0.5	-0.6	0.17	0.10	-67.68
930.0	0.18	124.26	930.0	4,627.1	-3.2	-0.2	-0.9	0.16	0.00	54.08
1,024.0	0.18	49.46	1,024.0	4,533.1	-3.2	0.0	-1.1	0.23	0.00	-79.57
1,119.0	0.22	144.21	1,119.0	4,438.1	-3.2	0.2	-1.3	0.31	0.04	99.74

Company:	QEP ENERGY	**Local Co-ordinate Reference:**	Well RW 12B4-27B - Slot RW 12B4-27
Project:	RED WASH (UTAH)	**TVD Reference:**	KB-EST @ 5557.1usft (Original Well Elev)
Site:	RW 13-27B (RW 12B4-27B) PAD	**MD Reference:**	KB-EST @ 5557.1usft (Original Well Elev)
Well:	RW 12B4-27B	**North Reference:**	True
Wellbore:	ORIGINAL WELLBORE	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL SURVEYS	**Database:**	EDM_5000_1_7

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,214.0	0.26	100.88	1,214.0	4,343.1	-3.4	0.5	-1.7	0.19	0.04	-45.61
1,309.0	0.35	114.15	1,309.0	4,248.1	-3.6	1.0	-2.2	0.12	0.09	13.97
1,404.0	0.31	75.04	1,404.0	4,153.1	-3.6	1.5	-2.7	0.24	-0.04	-41.17
1,498.0	0.70	92.18	1,498.0	4,059.1	-3.6	2.3	-3.4	0.44	0.41	18.23
1,593.0	0.75	100.88	1,593.0	3,964.1	-3.7	3.5	-4.6	0.13	0.05	9.16
1,688.0	0.88	92.97	1,688.0	3,869.1	-3.9	4.9	-5.9	0.18	0.14	-8.33
1,783.0	0.21	301.53	1,783.0	3,774.1	-3.8	5.4	-6.4	1.13	-0.71	-159.41
1,878.0	0.62	277.36	1,878.0	3,679.1	-3.7	4.8	-5.8	0.46	0.43	-25.44
1,973.0	0.48	269.63	1,973.0	3,584.1	-3.6	3.9	-4.9	0.17	-0.15	-8.14
2,069.0	0.40	259.26	2,069.0	3,488.1	-3.7	3.2	-4.2	0.12	-0.08	-10.80
2,164.0	0.41	263.13	2,164.0	3,393.1	-3.8	2.5	-3.6	0.03	0.01	4.07
2,259.0	0.31	237.20	2,258.9	3,298.2	-3.9	1.9	-3.2	0.20	-0.11	-27.29
2,354.0	0.35	280.88	2,353.9	3,203.2	-4.0	1.4	-2.7	0.26	0.04	45.98
2,449.0	0.44	271.30	2,448.9	3,108.2	-4.0	0.8	-2.1	0.12	0.09	-10.08
2,544.0	0.26	235.44	2,543.9	3,013.2	-4.1	0.2	-1.6	0.29	-0.19	-37.75
2,639.0	0.22	280.88	2,638.9	2,918.2	-4.2	-0.1	-1.3	0.20	-0.04	47.83
2,734.0	0.10	100.88	2,733.9	2,823.2	-4.1	-0.2	-1.2	0.34	-0.13	189.47
2,829.0	0.31	188.51	2,828.9	2,728.2	-4.4	-0.2	-1.4	0.34	0.22	92.24
2,925.0	0.35	176.55	2,924.9	2,632.2	-5.0	-0.2	-1.6	0.08	0.04	-12.46
3,020.0	0.18	229.82	3,019.9	2,537.2	-5.3	-0.3	-1.6	0.30	-0.18	56.07
3,116.0	0.18	207.58	3,115.9	2,441.2	-5.6	-0.5	-1.5	0.07	0.00	-23.17
3,211.0	0.24	161.52	3,210.9	2,346.2	-5.9	-0.5	-1.6	0.18	0.06	-48.48
3,306.0	0.21	70.38	3,305.9	2,251.2	-6.0	-0.3	-1.9	0.34	-0.03	-95.94
3,401.0	0.53	110.64	3,400.9	2,156.2	-6.1	0.3	-2.4	0.41	0.34	42.38
3,496.0	0.66	184.90	3,495.9	2,061.2	-6.8	0.7	-3.0	0.76	0.14	78.17
3,592.0	0.57	117.40	3,591.9	1,965.2	-7.6	1.1	-3.6	0.72	-0.09	-70.31
SURFACE CASING										
3,635.0	***0.79***	***110.37***	***3,634.9***	***1,922.2***	***-7.8***	***1.5***	***-4.2***	***0.55***	***0.51***	***-16.35***
3,776.0	0.88	51.40	3,775.9	1,781.2	-7.5	3.3	-5.7	0.59	0.06	-41.82
3,871.0	0.48	318.06	3,870.9	1,686.2	-6.7	3.6	-5.7	1.08	-0.42	-98.25
3,966.0	0.22	176.91	3,965.9	1,591.2	-6.6	3.3	-5.4	0.70	-0.27	-148.58
4,060.0	0.35	251.44	4,059.9	1,497.2	-6.9	3.1	-5.3	0.38	0.14	79.29
4,155.0	0.26	0.07	4,154.9	1,402.2	-6.7	2.8	-5.0	0.52	-0.09	114.35
4,250.0	0.26	20.20	4,249.9	1,307.2	-6.3	2.9	-4.9	0.10	0.00	21.19
4,345.0	0.04	69.59	4,344.9	1,212.2	-6.1	3.0	-4.9	0.25	-0.23	51.99
4,440.0	0.57	141.84	4,439.9	1,117.2	-6.5	3.3	-5.4	0.59	0.56	76.05
4,535.0	1.01	78.64	4,534.9	1,022.2	-6.7	4.4	-6.5	0.96	0.46	-66.53
4,630.0	0.26	75.74	4,629.9	927.2	-6.5	5.4	-7.4	0.79	-0.79	-3.05
4,725.0	1.32	94.73	4,724.9	832.2	-6.5	6.7	-8.6	1.13	1.12	19.99
4,820.0	1.27	110.37	4,819.9	737.2	-7.0	8.8	-10.7	0.37	-0.05	16.46
4,914.0	0.66	95.34	4,913.8	643.3	-7.4	10.3	-12.3	0.70	-0.65	-15.99
5,009.0	0.79	138.67	5,008.8	548.3	-7.9	11.3	-13.4	0.58	0.14	45.61
5,103.0	0.48	79.79	5,102.8	454.3	-8.3	12.1	-14.3	0.72	-0.33	-62.64
5,198.0	0.57	105.27	5,197.8	359.3	-8.4	13.0	-15.1	0.26	0.09	26.82
5,293.0	0.09	73.81	5,292.8	264.3	-8.5	13.5	-15.6	0.52	-0.51	-33.12
5,388.0	1.32	100.88	5,387.8	169.3	-8.7	14.7	-16.8	1.31	1.29	28.49
5,482.0	0.57	153.35	5,481.8	75.3	-9.3	15.9	-18.2	1.14	-0.80	55.82
5,578.0	0.18	280.88	5,577.8	-20.7	-9.7	16.0	-18.4	0.72	-0.41	132.84
5,673.0	0.44	175.41	5,672.8	-115.7	-10.0	15.9	-18.4	0.55	0.27	-111.02
5,768.0	0.40	171.28	5,767.8	-210.7	-10.7	16.0	-18.7	0.05	-0.04	-4.35
5,855.0	0.44	224.81	5,854.8	-297.7	-11.3	15.8	-18.7	0.44	0.05	61.53
5,963.0	3.08	315.07	5,962.7	-405.6	-9.5	13.4	-15.9	2.88	2.44	83.57
6,058.0	5.01	308.39	6,057.5	-500.4	-5.1	8.4	-9.6	2.09	2.03	-7.03

Company:	QEP ENERGY	**Local Co-ordinate Reference:**	Well RW 12B4-27B - Slot RW 12B4-27
Project:	RED WASH (UTAH)	**TVD Reference:**	KB-EST @ 5557.1usft (Original Well Elev)
Site:	RW 13-27B (RW 12B4-27B) PAD	**MD Reference:**	KB-EST @ 5557.1usft (Original Well Elev)
Well:	RW 12B4-27B	**North Reference:**	True
Wellbore:	ORIGINAL WELLBORE	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL SURVEYS	**Database:**	EDM_5000_1_7

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,152.0	6.94	300.13	6,151.0	-593.9	0.3	0.2	-0.1	2.24	2.05	-8.79
6,242.0	9.14	295.38	6,240.1	-683.0	6.1	-10.9	12.4	2.55	2.44	-5.28
6,337.0	9.98	293.89	6,333.8	-776.7	12.7	-25.3	28.1	0.92	0.88	-1.57
6,432.0	12.44	293.80	6,427.0	-869.9	20.1	-42.2	46.5	2.59	2.59	-0.09
6,527.0	12.66	294.77	6,519.7	-962.6	28.6	-61.0	67.1	0.32	0.23	1.02
6,622.0	13.23	293.62	6,612.3	-1,055.2	37.3	-80.4	88.4	0.66	0.60	-1.21
6,717.0	14.85	297.32	6,704.4	-1,147.3	47.3	-101.2	111.3	1.95	1.71	3.89
6,812.0	16.22	295.91	6,796.0	-1,238.9	58.7	-123.9	136.6	1.50	1.44	-1.48
6,907.0	16.22	293.98	6,887.2	-1,330.1	69.8	-148.0	163.0	0.57	0.00	-2.03
7,002.0	16.08	293.62	6,978.4	-1,421.3	80.5	-172.1	189.4	0.18	-0.15	-0.38
7,098.0	15.03	294.68	7,070.9	-1,513.8	91.0	-195.6	215.1	1.13	-1.09	1.10
7,193.0	15.47	291.16	7,162.6	-1,605.5	100.7	-218.7	240.1	1.08	0.46	-3.71
7,287.0	14.77	297.05	7,253.3	-1,696.2	110.7	-241.0	264.5	1.80	-0.74	6.27
7,382.0	15.16	291.60	7,345.1	-1,788.0	120.8	-263.4	288.9	1.54	0.41	-5.74
7,477.0	15.64	292.75	7,436.7	-1,879.6	130.3	-286.7	314.2	0.60	0.51	1.21
7,572.0	17.14	294.42	7,527.8	-1,970.7	141.1	-311.3	340.9	1.65	1.58	1.76
7,666.0	15.07	298.72	7,618.1	-2,061.0	152.7	-334.6	366.8	2.54	-2.20	4.57
7,761.0	12.74	299.25	7,710.3	-2,153.2	163.7	-354.6	389.4	2.46	-2.45	0.56
7,856.0	9.20	299.55	7,803.6	-2,246.5	172.6	-370.3	407.3	3.73	-3.73	0.32
7,950.0	5.05	304.26	7,896.9	-2,339.8	178.6	-380.3	418.7	4.45	-4.41	5.01
8,045.0	3.78	285.54	7,991.6	-2,434.5	181.8	-386.8	425.9	2.01	-1.34	-19.71
8,140.0	3.96	280.88	8,086.4	-2,529.3	183.3	-393.0	432.2	0.38	0.19	-4.91
8,235.0	3.34	278.77	8,181.2	-2,624.1	184.3	-399.0	438.2	0.67	-0.65	-2.22
8,330.0	3.52	299.42	8,276.0	-2,718.9	186.2	-404.2	443.8	1.31	0.19	21.74
8,425.0	3.87	296.26	8,370.8	-2,813.7	189.0	-409.6	449.8	0.43	0.37	-3.33
8,521.0	3.65	309.80	8,466.6	-2,909.5	192.4	-414.9	455.9	0.95	-0.23	14.10
8,617.0	3.52	320.34	8,562.4	-3,005.3	196.6	-419.1	461.4	0.70	-0.14	10.98
8,713.0	3.56	295.21	8,658.2	-3,101.1	200.2	-423.7	466.9	1.60	0.04	-26.18
8,809.0	3.69	292.92	8,754.0	-3,196.9	202.7	-429.2	473.0	0.20	0.14	-2.39
8,905.0	3.69	286.24	8,849.8	-3,292.7	204.7	-435.1	479.1	0.45	0.00	-6.96
9,001.0	3.38	293.01	8,945.7	-3,388.6	206.7	-440.6	485.0	0.54	-0.32	7.05
9,097.0	3.03	282.91	9,041.5	-3,484.4	208.4	-445.7	490.4	0.69	-0.36	-10.52
9,193.0	2.77	310.94	9,137.4	-3,580.3	210.4	-449.9	495.1	1.49	-0.27	29.20
9,289.0	2.07	321.75	9,233.3	-3,676.2	213.3	-452.8	498.7	0.87	-0.73	11.26
9,383.0	1.49	306.63	9,327.3	-3,770.2	215.4	-454.8	501.3	0.79	-0.62	-16.09
9,478.0	1.54	336.60	9,422.2	-3,865.1	217.3	-456.3	503.4	0.83	0.05	31.55
9,573.0	0.88	5.08	9,517.2	-3,960.1	219.2	-456.7	504.5	0.92	-0.69	29.98
9,668.0	0.97	21.51	9,612.2	-4,055.1	220.7	-456.4	504.7	0.29	0.09	17.29
9,763.0	0.92	36.54	9,707.2	-4,150.1	222.0	-455.6	504.4	0.27	-0.05	15.82
9,857.0	0.35	331.76	9,801.2	-4,244.1	222.9	-455.3	504.4	0.89	-0.61	-68.91
9,952.0	0.48	286.26	9,896.2	-4,339.1	223.3	-455.8	505.1	0.36	0.14	-47.89
10,047.0	0.22	11.93	9,991.2	-4,434.1	223.6	-456.2	505.5	0.54	-0.27	90.18
10,142.0	0.62	49.64	10,086.2	-4,529.1	224.1	-455.7	505.3	0.49	0.42	39.69
10,236.0	0.97	94.82	10,180.2	-4,623.1	224.3	-454.6	504.2	0.74	0.37	48.06
10,330.0	1.98	98.59	10,274.1	-4,717.0	224.0	-452.2	501.9	1.08	1.07	4.01
10,425.0	1.80	98.70	10,369.1	-4,812.0	223.5	-449.1	498.8	0.19	-0.19	0.12
10,520.0	1.94	114.42	10,464.0	-4,906.9	222.7	-446.1	495.8	0.56	0.15	16.55
10,615.0	1.99	113.79	10,559.0	-5,001.9	221.3	-443.2	492.5	0.06	0.05	-0.66
10,709.0	2.46	113.80	10,652.9	-5,095.8	219.9	-439.8	488.9	0.50	0.50	0.01
10,804.0	2.60	127.44	10,747.8	-5,190.7	217.7	-436.2	484.8	0.65	0.15	14.36
10,899.0	2.42	131.64	10,842.7	-5,285.6	215.1	-433.0	480.8	0.27	-0.19	4.42
10,980.0	2.77	138.25	10,923.6	-5,366.5	212.5	-430.4	477.5	0.57	0.43	8.16

Company:	QEP ENERGY	**Local Co-ordinate Reference:**	Well RW 12B4-27B - Slot RW 12B4-27
Project:	RED WASH (UTAH)	**TVD Reference:**	KB-EST @ 5557.1usft (Original Well Elev)
Site:	RW 13-27B (RW 12B4-27B) PAD	**MD Reference:**	KB-EST @ 5557.1usft (Original Well Elev)
Well:	RW 12B4-27B	**North Reference:**	True
Wellbore:	ORIGINAL WELLBORE	**Survey Calculation Method:**	Minimum Curvature
Design:	FINAL SURVEYS	**Database:**	EDM_5000_1_7

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
PROJECTION TO TD										
11,025.0	*2.77*	*138.25*	*10,968.6*	*-5,411.5*	*210.9*	*-429.0*	*475.6*	*0.00*	*0.00*	*0.00*

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
BHL - 12B4-27B	0.00	0.00	109,777.0	143.3	-385.3	7,241,361.53	2,249,097.74	40° 10' 44.617 N	109° 19' 16.705 W
- survey misses target center by 98808.4usft at 11025.0usft MD (10968.6 TVD, 210.9 N, -429.0 E)									
- Point									
RW 12B4-27B	0.00	0.00	8,457.0	182.5	-429.5	7,241,399.61	2,249,052.56	40° 10' 45.004 N	109° 19' 17.274 W
- survey misses target center by 17.9usft at 8511.9usft MD (8457.5 TVD, 192.0 N, -414.4 E)									
- Circle (radius 100.0)									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
0.0	0.0	0.0	0.0	TIE ON TO SURFACE
3,635.0	3,634.9	-7.8	1.5	SURFACE CASING
11,025.0	10,968.6	210.9	-429.0	PROJECTION TO TD

Checked By: _____ Approved By: _____ Date: _____

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Report End Date: 9/6/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: RIG DOWN RIG RELEASE @ 06:00 HRS 9/6/2012 **Operations Next Report Period:** RIG DOWN & MOVE RIG

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
2.50	2.50	DRLPRO	CMT	2	P	FILL LINES W/3 BBLS FRESH WATER, PRESSURE TEST LINES TO 5000 PSI, PUMP 10 BBLS FRESH WATER, PUMP 20 BBLS SUPER FLUSH 101 10.8 PPG 2.12 Y 12.29 GAL/SK, PUMP 10 BBLS FRESH WATER, PUMP 276.32 BBLS LEAD CEMENT 11 PPG 2.90 Y 17.18 GAL/SK 535 SK., PUMP 95.53 BBLS TAIL CEMENT 13.5 PPG 1.49 Y 7.04 GAL/SK 360 SK, DROP PLUG, WASH PUMP & LINES, PUMP 170 BBLS KCL WATER DISPLACEMENT 8.5PPG, BUMPED PLUG W/2550 PPSI 500 PSI OVER, CHECK FLOATS OK, 55 BBLS CEMENT BACK TO SURFACE
1.00	3.50	DRLPRO	CMT	2	P	FLUSH BOP, FLOW LINE, GAS BUSTER, W/SUGER WATER
2.50	6.00	DRLPRO	BOP	1	P	NIPPLE DOWN BOP, RIG UP STACK LIFT
2.00	8.00	DRLPRO	BOP	2	P	SET SLIPS W/155K, & R/D STACK LIFT
16.00	24.00	DRLPRO	LOC	7	P	CLEAN MUD PITS & R/D FLOOR, TOP DRIVE RIG RELEASE @ 06:00 HRS 9/6/2012

Report End Date: 9/5/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: CEMENT 4.5 CASING **Operations Next Report Period:** CEMENT, NIPPLE DOWN, SET SLIPS, RIG DOWN .

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
6.50	6.50	CSGPRO	CSG	2	P	RUN 4 1/2 CASING.FILL CASING, CIRCULATE BU AT 3,900 FT. FILL CASING EVERY 25 JTS. LOST CIRCULATION AT 7430.
4.00	10.50	CSGPRO	CIRC	2	U	LOST CIRCULATION AT 7430 FT. MIX MUD, WORK PIPE AND MIX LCM.
4.00	14.50	CSGPRO	CIRC	1	P	CIRCULATE, BUILD VOLUME, EVEN OUT MUD.
6.00	20.50	CSGPRO	CSG	2	P	RUN CASING AND CIRCULATE EVERY 500 FT. FROM 7,430 TO 10,600 FT. WASH LAST 500 FT TO BOTTOM. 56 FT. OF FILL
2.00	22.50	CSGPRO	CIRC	1	P	CIRCULATE W / CASING ON BOTTOM. RAN 237 JTS. OF 4 1/2, 11.60, HCP-110,LT&C CASING. LANDED AT 11,019 RKB.
1.50	24.00	CSGPRO	CMT	2	P	PJSM, CEMENT 4.5 CASING.

Report End Date: 9/4/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: PJSM RIG CASEING CREW **Operations Next Report Period:** RUN CASING, CIRC R/D CASER, R/U CEMENTER, & CEMENT

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
7.50	7.50	EVALPR	LOG	1	P	LOG UP WITH THRBIT AT 800 FT. PER HR. TO 6,432 FT. RETREIVE LOGGING TOOL AND RIG DOWN LOGGERS.
1.50	9.00	CSGPRO	TRP	2	P	TRIP IN HOLE TO LAY DOWN DRILL PIPE. FILL DP AT 9,000 FT. SAFETY WASH 95 FT.
1.50	10.50	CSGPRO	CIRC	1	P	CIRCULATE TO LAY DOWN DP AND CASING. SHAKE OUT LCM.
1.00	11.50	CSGPRO	TRP	3	P	PJSM,RIG UP LAY DOWN CREW
6.50	18.00	CSGPRO	TRP	3	P	LAY DOWN DRILL PIPE.
0.50	18.50	CSGPRO	TRP	2	P	TIH WITH COLLARS AND WT. PIPE OUT OF DERRICK
2.00	20.50	CSGPRO	TRP	3	P	LAY DOWN WT PIPE AND DRILL COLLARS
0.50	21.00	CSGPRO	OTH		P	PULL WEAR BUSHING
3.00	24.00	CSGPRO	CSG	1	P	PJSM RIG UP CASING CREW

Report End Date: 9/3/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: LOGGING W / DRILL PIPE **Operations Next Report Period:** LOG, TIH, CIRC., RIG L/D TRUCK, L/D DP, RIG UP CASING CREW

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
3.50	3.50	EVALPR	TRP	2		TRIP IN WITH THRUBIT AND RABBIT DRILL PIPE. FILL PIPE AT 3,600 AND 8,000 FT.
3.50	7.00	EVALPR	CIRC	2		LOST CIRCULATION AT 8,000 FT., MIX LCM AND BUILD VOLUM.
1.50	8.50	EVALPR	CIRC	1		PULL UP TO 7,000 FT. AND PUMP 75 BBLS OF 20 LBS A BARREL LCM DOWN BACK SIDE
1.00	9.50	EVALPR	TRP	2		PICK UP 15 JTS. AND CIRC. AT 7,500 FT.
0.50	10.00	EVALPR	RIG	1		RIG SERVICE AND TOP DRIVE.
0.50	10.50	EVALPR	TRP	2		PICK UP 18 JTS. OF DRILL PIPE.
1.00	11.50	EVALPR	CIRC	1		CIRCULATE AT 8,000 FT. AND BUILD VOLUME
0.50	12.00	EVALPR	TRP	2		TRIP IN 10 STDS TO 9,000 FT.
3.00	15.00	EVALPR	CIRC	1		CIRCULATE, BUILD VOLUME AND EVEN OUT MUD.
1.00	16.00	EVALPR	TRP	2		TRIP IN AND RABBIT DRILL PIPE
2.50	18.50	EVALPR	CIRC	1		CIRCULATE BOTTOMS UP AND DISPLACE DRILL PIPE WITH 81 BBLS OF CLEAN MUD
5.50	24.00	EVALPR	LOG	1		PJSM, RIG UP THRU BIT, RUN WIRE LINE LOGS WITH DRILL PIPE.

Report End Date: 9/2/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: TRIP IN W / THRUBIT TO LOG **Operations Next Report Period:** TRIP IN, CIRCULATE, LOG, LAY DOWN DRILL PIPE.

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
3.00	3.00	DRLPRO	REAM	1	P	REAM TO BOTTOM FROM 10,100 TO 11,025.

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.50	4.50	EVALPR	CIRC	1	P	CIRCULATE AND PUMP 2 SWEEPS TO CLEAN HOLE FOR SHORT TRIP.
3.50	8.00	EVALPR	TRP	14	P	SHORT TRIP 26 STDS. TO 8,650 FT. BACK REAM FROM 10,190 TO 10,100 FT,
1.50	9.50	EVALPR	CIRC	1	P	CIRCULATE BU AND PUMP HEAVEY WT. PILL.
5.00	14.50	EVALPR	TRP	2	P	TRIP OUT FOR LOGS.
6.00	20.50	EVALPR	LOG	1	P	PJSM, RIG UP LOGGERS AND LOG. LOGS STOPPED AT 7100 FT. LOG TO BOTTOM OF SURFACE CASING.
3.50	24.00	EVALPR	TRP	2	P	PICK UP TRUBIT BIT, FLOAT SUB, AND CROSSOVER SUB AND TRIP IN. DRIFT DRILL PIPE.

Report End Date: 9/1/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: REAMMING TO BOTTOM **Operations Next Report Period:** REAM, CIRC., SHORT TRIP, CRIC., TOOH F/ LOGS,

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.00	1.00	EVAL 1	TRP	2	P	TRIP OUT OF HOLE
0.50	1.50	DRLPRO	TRP	1	P	BREAK DOWN EM TOOL TO DOWN LOAD
1.50	3.00	DRLPRO	OTH		P	EVALUATING OPTIONS.
1.00	4.00	DRLPRO	RIG	1	P	SERVICE RIG AND TOP DRIVE
5.50	9.50	DRLPRO	RIG	2	P	WORK ON TOP DRIVE.
1.50	11.00	DRLPRO	TRP	1	P	PICK UP AND MAKE UP PULSE.
1.00	12.00	DRLPRO	TRP	2	P	TRIP IN HOLE
2.50	14.50	DRLPRO	RIG	2	P	RIG REPAIR, GRABBER BOX RAM.
3.50	18.00	DRLPRO	TRP	2	P	TRIP IN HOLE.
0.50	18.50	DRLPRO	REAM	1	P	REAM FROM 8,840' TO 9,005'
0.50	19.00	DRLPRO	TRP	2	P	TRIP IN HOLE FROM 9,005' TO 9,438'
5.00	24.00	DRLPRO	REAM	1	P	REAM FROM 9,438 TO 10100.

Report End Date: 8/31/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: TRIPPING OUT OF HOLE @ 1000 FT. **Operations Next Report Period:** CHANGE OUT BIT & MOTOR, TIH, WASH&REAM TO BOTTOM,CIRC.TOOH

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
13.50	13.50	DRLPRO	RIG	2	U	TOP DRIVE DOWN, WAIT ON RENTAL TOP DRIVE. NEW TOP DRIVE GOT ON LOCATION AT 08:00 08/30/2012. HANG AND RIG UP TOP DRIVE, RUN SERVICE LOOP, SET IN TOP DRIVE HOUSE AND HANG CONTROL PANEL.
0.50	14.00	DRLPRO	CIRC	1	P	CIRULATE HOLE AND ROTATE DRILL PIPE WITH TOP DRIVE.
10.00	24.00	DRLPRO	TRP	2	P	TRIP OUT AND BACK REAM. BACK REAM FROM 9595 TO 7900 FT.

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Report End Date: 8/30/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: WAIT ON TOP DRIVE **Operations Next Report Period:** WAIT ON TOP DRIVE, CHANGE OUT TOP DRIVE, TOOH, CHG MOTOR TIH

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
24.00	24.00	DRLPRO	RIG	2	U	RIG REPAIR, TOP DRIVE WON'T TURN, WAIT ON TOP DRIVE. WORK DRILL PIPE FROM 9660 TO 9798 FT. AND CIRCULATE CRANE ON LOCATION AT 14:00, RIG UP CRANE. AT 15:00 BREAK OLD TOP DRIVE OFF OF DRILL PIPE, HOOK UP TUBING SWIVEL,CIRCULATE, AND ROTATE DRILL PIPE, [PUT IN 8 ROUNDS OF TORQUE AND GET 4.5 TO 5 ROUNDS OUT] BREAK OFF KELLY HOSE, RIG DOWN AND BREAK DOWN OLD TOP DRIVE, SET OUT, AND TAKE DOWN SERVICE LOOP. RIG DOWN AND HAUL IN TOP DRIVE LIGHT PLANT, SCR HOUSE, AND SERVICE LOOP TO FRONTIER YARD..

Report End Date: 8/29/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: TOP DRIVE WILL NOT TURN, WAIT ON TOP DRIVE.& CRIC. **Operations Next Report Period:** CHANGE OUT TOP DRIVE ???

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
24.00	24.00	CSGPRO	RIG	2	U	TOP DRIVE WILL NOT TURN, WAIT ON TOP DRIVE. CIRCULATE HOLE WITH ONE PUMP AND WORK DP.

Report End Date: 8/28/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: WAIT ON TOP DRIVE **Operations Next Report Period:** CHANGE OUT TOP DRIVE ???

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
24.00	24.00	DRLPRO	RIG	2	U	TOP DRIVE WILL NOT TURN, WAIT ON TOP DRIVE. CIRCULATE HOLE WITH ONE PUMP AND WORK DP.

Report End Date: 8/27/2012 **End Depth (ftOTH):** 11,025.0

Operations at Report Time: WAIT ON TOP DRIVE **Operations Next Report Period:** WAIT ON TOP DRIVE

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
3.50	3.50	DRLPRO	DRL	2	P	DRILL FROM 10944' TO 11025' = 81', 23.1' FPH, RUNNING 1 PUMPS AT 90 SPM, 264 GPM, 3100 PSI, 150 TO 300 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 68 RPM ON MOTOR SPEED= 128 RPM. MUD WT. 10.6 TO 10.7 VIS 36, 14 TO 20 K ON BIT.
1.00	4.50	DRLPRO	OTH		P	GAMMA FROM 10944 TO 11025.
1.50	6.00	DRLPRO	CIRC	1	P	CIRCULATE FOR SHORT TRIP.

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
2.50	8.50	DRLPRO	TRP	14	P	SHORT TRIP, TRIPPED OUT TO 9660. BACK REAMED AT 9910 TO 9730, 9700 TO 9630.
0.50	9.00	DRLPRO	RIG	1	P	RIG SERVICE
15.00	24.00	DRLPRO	RIG	2	P	RIG REPAIR, CAN;T GET TOP DRIVE TO TURN. WORK ON TOP DRIVE, WORK PIPE 60 FT. AND WAIT ON RENTAL TOP DRIVE.

Report End Date: 8/26/2012 **End Depth (ftOTH):** 10,944.0

Operations at Report Time: LOGGING GAMMA **Operations Next Report Period:** DRILL, LOG GAMMA,CRIC.,SHORT TRIP, CRIC., TOOH F/ LOGS

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
8.50	8.50	DRLPRO	DRL	2	P	DRILL FROM 10187' TO 10565' = 378', 44.5' FPH, RUNNING 1 PUMPS AT 90 SPM, 264 GPM, 3000 PSI, 150 TO 300 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 128 RPM. MUD WT. 10.4 TO 10.6 VIS 36, 14 TO 20 K ON BIT.
0.50	9.00	DRLPRO	RIG	1	P	SERVICE RIG AND TOP DRIVE
3.00	12.00	DRLPRO	DRL	2	P	DRILL FROM 10565' TO 10660' = 95', 31.6' FPH, RUNNING 1 PUMPS AT 90 SPM, 264 GPM, 3100 PSI, 150 TO 300 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 68 RPM ON MOTOR SPEED= 128 RPM. MUD WT. 10.4 TO 10.6 VIS 36, 14 TO 20 K ON BIT.
1.00	13.00	DRLPRO	OTH		P	LOG GAMMA FROM 10600 TO 10660'.
2.00	15.00	DRLPRO	DRL	1	P	DRILL FROM 10660' TO 10753' = 50', 16.6' FPH, RUNNING 1 PUMPS AT 90 SPM, 264 GPM, 3100 PSI, 150 TO 300 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 128 RPM. MUD WT. 10.4 TO 10.6 VIS 36, 14 TO 20 K ON BIT.
1.00	16.00	DRLPRO	OTH		P	LOG GAMMA FROM 10660 TO 10753'.
2.50	18.50	DRLPRO	DRL	1	P	DRILL FROM 10753' TO 10849' = 96', 38.4' FPH, RUNNING 1 PUMPS AT 90 SPM, 264 GPM, 3100 PSI, 150 TO 300 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 68 RPM ON MOTOR SPEED= 128 RPM. MUD WT. 10.4 TO 10.6 VIS 36, 14 TO 20 K ON BIT.

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.50	20.00	DRLPRO	OTH		P	LOG GAMMA FROM 10753 TO 10849'.
3.50	23.50	DRLPRO	DRL	1	P	DRILL FROM 10849' TO 10944' = 95', 27.1' FPH, RUNNING 1 PUMPS AT 90 SPM, 264 GPM, 3100 PSI, 150 TO 300 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 68 RPM ON MOTOR SPEED= 128 RPM. MUD WT. 10.4 TO 10.6 VIS 36, 14 TO 20 K ON BIT.
0.50	24.00	DRLPRO	OTH		P	LOG GAMMA FROM 10849 TO 10900'.

Report End Date: 8/25/2012 **End Depth (ftOTH):** 10,187.0

Operations at Report Time: DRILLING **Operations Next Report Period:** DRILL,RIG SERVICE, DRILL

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
9.00	9.00	DRLPRO	DRL	2	P	DRILL FROM 9142' TO 9523 ' = 381', 42.3' FPH, RUNNING 1 PUMPS AT 90 SPM, 280 GPM, 2800 PSI, 150 TO 250 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 128 RPM. MUD WT. 10.2 TO 10.3 VIS 36, 14 TO 20 K ON BIT.
0.50	9.50	DRLPRO	RIG	1	P	SERVICE RIG AND TOP DRIVE.
14.50	24.00	DRLPRO	DRL	2	P	DRILL FROM 9523' TO 10187 ' = 664', 45.7' FPH, RUNNING 1 PUMPS AT 90 SPM, 280 GPM, 3000 PSI, 150 TO 300 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 128 RPM. MUD WT. 10.2 TO 10.3 VIS 36, 14 TO 20 K ON BIT.

Report End Date: 8/24/2012 **End Depth (ftOTH):** 9,142.0

Operations at Report Time: DRILLING **Operations Next Report Period:** DRILL,RIG SERVICE, DRILL

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
4.50	4.50	DRLPRO	DRL	2	P	DRILL FROM 8822' TO 8972' = 150', 33.3' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2800 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.8 TO 9.9 VIS 34, 12 TO 18 K ON BIT.
1.00	5.50	DRLPRO	CIRC	1	P	CIRCULATE B. U., PUMP WT. PILL.
5.00	10.50	DRLPRO	TRP	12	P	TRIP FOR MUD MOTOR AND BIT. SLM DRILL PIPE.
1.50	12.00	DRLPRO	TRP	2	P	CHANGE OUT MUD MOTOR, BIT,BATTERYS FOR MWD, SCRIBE AND ORIENT TOOLS

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
2.50	14.50	DRLPRO	TRP	2	P	TRIP IN HOLE TO 3,720 AND FILL PIPE
1.00	15.50	DRLPRO	RIG	6	P	CUT DRILLING LINE
3.50	19.00	DRLPRO	TRP	2	P	TRIP IN HOLE
0.50	19.50	DRLPRO	REAM	1	P	SAFETY REAM 100' TO BOTTOM
4.50	24.00	DRLPRO	DRL	1	P	DRILL FROM 8972' TO 9142' = 170', 37.7' FPH, RUNNING 1 PUMPS AT 90 SPM, 260 GPM, 2550 PSI, 150 TO 250 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 68 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 10.0 TO 10.1 VIS 36, 12 TO 15 K ON BIT.

Report End Date: 8/23/2012 **End Depth (ftOTH):** 8,822.0

Operations at Report Time: SAFETY REAM TO BOTTOM **Operations Next Report Period:** DRILL,RIG SERVICE, DRILL, CIRC.,SHORT TRIP

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
6.00	6.00	DRLPRO	DRL	2	P	DRILL FROM 8300' TO 8470' = 170', 28.3' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2550 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.6 TO 9.9 VIS 34, 12 TO 18 K ON BIT.
1.50	7.50	DRLPRO	RIG	1	P	SERVICE RIG AND CHANGE SAVER SUB.
13.50	21.00	DRLPRO			P	DRILL FROM 8470' TO 8822' = 352', 26.1' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2550 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.6 TO 9.9 VIS 34, 12 TO 18 K ON BIT.
1.00	22.00	DRLPRO	CIRC	1	P	CIRCULATE BOTTOMS UP
1.50	23.50	DRLPRO	TRP	14	P	SHORT TRIP 16 STANDS (7,332')
0.50	24.00	DRLPRO	REAM	1	P	SAFETY REAM 60' TO BOTTOM

Report End Date: 8/22/2012 **End Depth (ftOTH):** 8,300.0

Operations at Report Time: SLIDING @ 10 FPH **Operations Next Report Period:** DRILL AHEAD

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
9.50	9.50	DRLPRO	DRL	2	P	DRILL FROM 7555' TO 7900' 345', 36.3' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2550 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.6 TO 9.9 VIS 34, 12 TO 18 K ON BIT SLIDE 30' IN 2 HRS
0.50	10.00	DRLPRO	RIG	1	P	RIG SERVICE

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
14.00	24.00	DRLPRO	DRL	2	P	DRILL FROM 7900' TO 8300' 400', 28.5' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2550 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.6 TO 9.9 VIS 34, 12 TO 18 K ON BIT SLIDE 72' IN 4.5 HRS

Report End Date: 8/21/2012 **End Depth (ftOTH):** 7,555.0

Operations at Report Time: SLIDING **Operations Next Report Period:** DRILL AHEAD

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
6.00	6.00	DRLPRO	DRL	2	P	DRILL FROM 7015' TO 7178' 163', 27' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2550 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.4,TO 9.6 VIS 34, 12 TO 18 K ON BIT SLIDE 85' IN 3.8 HRS
0.50	6.50	DRLPRO	RIG	1	P	RIG SERVICE
6.00	12.50	DRLPRO	DRL	2	P	DRILL FROM 7178' TO 7337' 159', 26.5' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2550 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.4,TO 9.6 VIS 34, 12 TO 18 K ON BIT SLIDE 49' IN 3.6 HRS
2.00	14.50	DRLPRO	TRP	14	P	SHORT TRIP 16 STANDS, HOLE IN GOOD SHAPE TO 6192 F/ 6192 TO 5971PULLING 25K TO 40K OVER, TRIP IN TAG BRIDGE @ 6336 PICKED UP WENT THROUGH, BRIDGE @ 6623 KELLY UP WASH WITH 8 TO 12K ON BIT TO 6665BRIDGE @6923 PICKED UP WENT THROUGH, SAFETY REAM LAST 90', NO FILL
9.50	24.00	DRLPRO	DRL	2	P	DRILL FROM 7337' TO 7555' 218', 22.9' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2550 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.4,TO 9.6 VIS 34, 12 TO 18 K ON BIT SLIDE 97' IN 4.6 HRS

Report End Date: 8/20/2012 **End Depth (ftOTH):** 7,015.0

Operations at Report Time: DRILLING AHEAD @ 50 FPH **Operations Next Report Period:** DRILL AHEAD

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
2.00	2.00	DRLPRO	DRL	2	P	DRILL FROM 6215' TO 6287' 72', 36' FPH, RUNNING 1 PUMPS AT 95 SPM, 269 GPM, 2000 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 70 RPM ON MOTOR SPEED= 120 RPM. MUD WT. 9.4,VIS 34, 10 TO 15 K ON BIT. SLIDE 13' IN 1HRS.
0.50	2.50	DRLPRO	RIG	1	P	RIG SERVICE
17.50	20.00	DRLPRO	DRL	2	P	DRILL FROM 6287' TO 6911' 624', 35.6' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2050 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.4,TO 9.6 VIS 34, 12 TO 18 K ON BIT. SLIDE 171' IN 8.8HRS.
1.50	21.50	DRLPRO	RIG	8	P	TROUBLE SHOOT TOP DRIVE ROTARY, CHANGE ENCODER
2.50	24.00	DRLPRO	DRL	2	P	DRILL FROM 6911' TO 7015' 104', 41.6' FPH, RUNNING 1 PUMPS AT 100 SPM, 278 GPM, 2050 PSI, 300 TO 450 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 73 RPM ON MOTOR SPEED= 123 RPM. MUD WT. 9.4,TO 9.6 VIS 34, 12 TO 18 K ON BIT SLIDE 17' IN .5 HRS

Report End Date: 8/19/2012 **End Depth (ftOTH):** 5,900.0

Operations at Report Time: SLIDING **Operations Next Report Period:** DRILL AHEAD

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
0.50	0.50	DRLPRO	LOG	1	P	R/D SCHLUMBERGER LOGGERS
0.50	1.00	DRLPRO	BOP	2	P	FUNCTION TEST BOP's
2.00	3.00	DRLPRO	TRP	1	P	CHANGE OUT MUD MOTOR, M/U DIR. TOOLS, SCRIBE TEST W/70 SPM 230 PSI & M/U BIT
1.50	4.50	DRLPRO	TRP	2	P	T.I.H TO SHOE @ 3691'
1.00	5.50	DRLPRO	TRP	2	P	CHANGE OUT SWIVEL PACKING & GRABBER DRYES
1.00	6.50	DRLPRO	TRP	2	P	T.I.H F/3691' TO 5900'
9.50	16.00	DRLPRO	DRL	2	P	DRILL FROM 5900' TO 6200' 300', 31' FPH, RUNNING 1 PUMPS AT 89 SPM, 248 GPM, 1700 PSI, 250 TO 390 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 64 RPM ON MOTOR SPEED= 109/124 RPM. MUD WT. 9.4,VIS 33, 10 TO 15 K ON BIT. SLIDE 111' IN 4.75HRS.
0.50	16.50	DRLPRO	CIRC	1	P	CIRCULATE BUILD & PUMP SLUG
2.50	19.00	DRLPRO	TRP	13	P	TRIP OUT TO CHANGE MWD

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.50	20.50	DRLPRO	TRP	2	P	CHANGE MWD CHECK BIT, BIT BALLED UP & HAD 2 PLUGGED JETS
3.00	23.50	DRLPRO	TRP	13	P	TRIP IN HOLE BREAK CIRC & BHA, SHOE 3690, 4945, CHECK SHOT SURVEYS, 6003,6098,6192
0.50	24.00	DRLPRO	DRL	2	P	DRILL FROM 6200' TO 6215' 15', 30' FPH, RUNNING 1 PUMPS AT 89 SPM, 248 GPM, 1700 PSI, 250 TO 390 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 64 RPM ON MOTOR SPEED= 109/124 RPM. MUD WT. 9.4,VIS 33, 10 TO 15 K ON BIT. SLIDE 15' IN .5HRS.

Report End Date: 8/18/2012 **End Depth (ftOTH):** 5,900.0

Operations at Report Time: RIGGING DOWN LOGGERS **Operations Next Report Period:** PICK UP NEW BHA,TRIP IN HOLE, DRILL

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.00	1.00	DRLPRO	TRP	14	P	WIPER TRIP F/ SHOE @ 3691' TO 5900'
1.00	2.00	DRLPRO	CIRC	1	P	PUMP SWEEP & CIRCULATE B/U
2.50	4.50	DRLPRO	TRP	2	P	P.O.O.H F/LOGS
5.00	9.50	DRLPRO	LOG	1	P	PJSM R/U SCHLUMBERGER & RUN PLATFORM EXPRESS TO 5895'
3.00	12.50	DRLPRO	TRP	2	P	T.I.H F/CLEAN OUT TO RUN XPT LOGS
1.50	14.00	DRLPRO	CIRC	1	P	PUMP SWEEP & CIRCULATE
3.00	17.00	DRLPRO	TRP	2	P	P.O.O.H F/LOG #2 XPT
7.00	24.00	DRLPRO	LOG	1	P	PJSM R/U SCHLUMBERGER & RUN XPT TO LAST TEST @ 5581RIG DOWN LOGGERS

Report End Date: 8/17/2012 **End Depth (ftOTH):** 5,450.0

Operations at Report Time: P.O.O.H F/LOGGING **Operations Next Report Period:** LOG, WIPER TRIP, LOG W/XPT

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
10.50	10.50	DRLPRO	DRL	2	P	DRILL FROM 5450' TO 5900' 450', 40.9' FPH, RUNNING 1 PUMPS AT 88 SPM, 245 GPM, 1700 PSI, 250 TO 390 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/60 RPM ON TOP DRIVE, 63 RPM ON MOTOR SPEED= 113 RPM. MUD WT. 8.9 TO 9.4,VIS 33, 10 TO 15 K ON BIT. SLIDE 25' IN 2.10HRS.
0.50	11.00	DRLPRO	RIG	1	P	RIG SERVICE
1.00	12.00	DRLPRO	CIRC	1	P	PUMP SWEEP & CIRC B/U FOR WIPER TRIP
0.50	12.50	DRLPRO	TRP	14	P	FLOW CHECK, PUMP SLUG & WIPER TRIP PULL 6 STANDS
2.00	14.50	DRLPRO	RIG	8	P	REPAIR LINK DRILLERS SIDE TILT RAM BOLT, PULL 4 STANDS REPLACE OFF DRILLERS SIDE LINK TILT RAM BOLT

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
3.00	17.50	DRLPRO	TRP	14	P	BACK REAM F/ 4453 TO 4105 LOST RETURNS WHILE BACK REAMING
1.00	18.50	DRLPRO	RIG	8	P	REPAIR TOP DRIVE ROTATOR HYDRAULIC HOSE
1.00	19.50	DRLPRO	TRP	14	P	TRIP OUT 4 STANDS BACK REAM F/ 4105 TO 3823 TOTAL LOSSES 720 BBL
2.00	21.50	DRLPRO	TRP	14	P	TRIP IN REAM F/ 4409 TO 4484, 4829 TO 4862, 5513 TO 5529, 5570 TO 5900 CONDITION MUD WHILE CIRCULATING
1.50	23.00	DRLPRO	CIRC	1	P	CIRCULATE WT UP F/ 8.9 TO 9.5, BUILD AND PUMP SWEEP, BOTTOMS UP GAS 6246
1.00	24.00	DRLPRO	TRP	2	P	P.O.O.H SECOND WIPER

Report End Date: 8/16/2012 **End Depth (ftOTH):** 5,450.0

Operations at Report Time: ROT DRILL @ 75 FPH **Operations Next Report Period:** DRILL, WIPER TRIP, LOG

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
11.50	11.50	DRLPRO	DRL	2	P	DRILL FROM 4200' TO 4959 759', 66' FPH, RUNNING 1 PUMPS AT 96 SPM, 281 GPM, 1600 PSI, 250 TO 390 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 60 RPM ON TOP DRIVE, 73 MOTOR SPEED= 133 RPM. MUD WT. 8.9 TO 9.4,VIS 32, 10 TO 15 K ON BIT. SLIDE 75' IN 4HRS.
0.50	12.00	DRLPRO	RIG	1	P	RIG SERVICE
8.00	20.00	DRLPRO	DRL	2	P	DRILL FROM 4959' TO 5355 396', 49.5' FPH, RUNNING 1 PUMPS AT 88 SPM, 245 GPM, 1700 PSI, 250 TO 390 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/50 RPM ON TOP DRIVE, 63 RPM ON MOTOR, SPEED= 113 RPM. MUD WT. 8.9 TO 9.4,VIS 32, 10 TO 15 K ON BIT.
2.00	22.00	DRLPRO	RIG	8	P	REPAIR TOP DRIVE BODY EXTENSION HYDRAULIC HOSE
2.00	24.00	DRLPRO	DRL	2	P	DRILL FROM 5355' TO 5450 95', 47.5' FPH, RUNNING 1 PUMPS AT 88 SPM, 245 GPM, 1700 PSI, 250 TO 390 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 2.6 STAGE, 45/50 RPM ON TOP DRIVE, 63 RPM ON MOTOR SPEED= 113 RPM. MUD WT. 8.9 TO 9.4,VIS 32, 10 TO 15 K ON BIT. SLIDE 36' IN 2HRS.

Report End Date: 8/15/2012 **End Depth (ftOTH):** 4,200.0

Operations at Report Time: ROT DRILL @ 120 ROP **Operations Next Report Period:** DRILL

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.00	1.00	DRLPRO	TRP	1	P	M/U DIR TOOLS, SCRIBE, TEST MOTOR 60 SPM 200 PSI & M/U BIT

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.00	2.00	DRLPRO	BOP	1	P	PULL WEAR BUSHING DUE TO BEND IN MOTOR WILL NOT PAST, INSTALL NEW WEAR BUSHING
0.50	2.50	DRLPRO	TRP	1	P	P/U & M/U 2 X 4 3/4"" DRILL COLLAR
1.00	3.50	DRLPRO	TRP	2	P	PJSM R/U WEATHERFORD LAY DOWN TRUCK
3.50	7.00	DRLPRO	TRP	2	P	P/U & M/U 4 3/4"" HWDP & DRILL PIPE T.I.H
0.50	7.50	DRLPRO	TRP	2	P	R/D WEATHERFORD L/D TRUCK
1.00	8.50	DRLPRO	DRL	4	P	DRILL OUT FLOAT EQUIPMENT & 10' FORMATION
0.50	9.00	DRLPRO	EQT	2	P	CIRC & F.I.T 175 PSI EMW 9.4 PPG W/8.5 PPG
1.00	10.00	DRLPRO	DRL	2	P	DRILL FROM 3705' TO 3726', 21' FPH, RUNNING 1 PUMPS AT 90 SPM, 264 GPM, 1200 PSI, 190 TO 250 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 69 MOTOR SPEED= 119 RPM. MUD WT. 8.5,VIS 28, 10 TO 10 K ON BIT.
0.50	10.50	DRLPRO	RIG	1	P	LUBRICATE RIG
6.50	17.00	DRLPRO	OTH		U	CLEAN OUT CUTTING & CEMENT FROM FLOW LINE
7.00	24.00	DRLPRO	DRL	2	P	DRILL FROM 3726' TO 4200', 67' FPH, RUNNING 1 PUMPS AT 90 SPM, 264 GPM, 1200 PSI, 190 TO 250 PSI DIFF. PRESSURE. MUD MOTOR IS A 1.5 BEND, 7/8 LOBE, 3.5 STAGE, 50 RPM ON TOP DRIVE, 69 MOTOR SPEED= 119 RPM. MUD WT. 8.5,VIS 30, 10 TO 15 K ON BIT.

Report End Date: 8/14/2012 **End Depth (ftOTH):** 3,695.0

Operations at Report Time: PICKING UP BHA **Operations Next Report Period:** TRIP IN PICKING UP 3.5 DRILL PIPE, DRILL SHOE TRACK

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
8.00	8.00	DRLSUR	WOT	1	P	W.O.C AFTER TOP JOB
2.00	10.00	DRLSUR	BOP	3	P	SLACK OFF CASING, NO DROP, NIPPLE DOWN FLOW LINE, CLEAN CELLAR, CUT CONDUCTOR, LIFT AND CUT CASING, 2.5' FROM BOTTOM OF CELLAR RING
2.00	12.00	DRLPRO	BOP	1	P	WELD ON WELL HEAD AND TEST.1500 PSI 15 MIN
5.00	17.00	DRLPRO	BOP	1	P	NIPPLE UP BOP's

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
6.50	23.50	DRLPRO	BOP	2	P	PJSM M/U TEST ASSY & TEST BOP, WING VALVES, TOP DRIVE, TIW VALVE, IBOP VALVE, CHOKE MANIFOLD 250 LOW 5MIN, 5,000 HIGH 15 MIN. HYDRIL 250 LOW 2,500 HIGH 15 MIN, TOP DRIVE HOSE, STANDPIPE & BACK TO MUD PUMP 250 LOW 5 MIN 4250 HIGH 15 MIN. TEST CASING TO 1,500 PSI 30 MIN. PIPE RAMS TETSED FOR 3.5 & 4.5
0.50	24.00	DRLPRO			P	SET WEAR BUSHING

Report End Date: 8/13/2012 **End Depth (ftOTH):** 3,695.0

Operations at Report Time: WAITING ON CEMENT **Operations Next Report Period:** WELD ON WELL HEAD,NIPPLE UP,TEST

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
2.50	2.50	DRLSUR	TRP	1	P	L/D BHA & DIR ASSY
2.00	4.50	DRLSUR	CSG	1	P	PJSM RIG UP CASING CREW
9.50	14.00	DRLSUR	CSG	2	P	M/U SHOE TRACK & PUMP THUR OK RUN 7.625"" CASING FILL EVERY 5 JTS. BREAK CIRCULATE, CIRCULATE B/U @ 1000' & 2000' & 3000'[WASH 3 JTS. TO BOTTOM SHOE @ 3690', LOST RETURNS AT 3060, ATTEMPT TO CIRCULATE @ 3469 NO RETURNS, ATTEMPT TO CIRCULATE AT 3597 GOT SOME RETURNS CIRCULATE BOTTOMS UP GOOD RETURNS, WASH TO BOTTOM TO 3695 WITH SOME RETURNS, STARTED LOSING RETURNS WHILE RECIPICATING PIPE ON BOTTOM.
1.50	15.50	DRLSUR	CIRC	1	P	CIRCULATE CASING LOST RETURNS HOLE GOT TIGHT STOP RECIPICATING PUMP AT SLOW RATE RIG UP CEMENTERS

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
3.00	18.50	DRLSUR	CMT	2	P	PJSM RIG UP HALLIBURTON TEST LINES TO 3000 PSI, PUMP 5 BBLS H2O, PUMP 15 BBLS 20% CACL H2O @ 9.5 #, PUMP 5BBL WATER SPACER, 21 BBLS SUPER FLUSH @ 10#, PUMP 5 BBL H20 SPACER, PUMP 30 BBLS CEMENT @ 10.5# 4.19 YIELD 27.09 GA/SKL, PUMP 5 BBLS H2O, PUMP 20 BBLS SUPER FLUSH @ 10#, PUMP 5 BBLS H2O, PUMP 30 BBLS CEMENT @ 10.5# 4.19 YIELD 27.09 GAL/SK, PUMP @ 6 BBLS/MIN PUMP 208 BBLS LEAD CEMENT @ 11# 2.95 YIELD 17.48 GAL/SK, PUMP 49 BBLS TAIL CEMENT @13.5# 1.48 YIELD 6.88 GAL/SK, SHUT DOWN DROP PLUG, WASH PUMP, PUMP 167 BBLS DISPLACEMENT, FINAL LIFT 260 BUMP PLUG @ 1000 PSI, CHECK FLOATS .5 BBLS BACK, LOST RETURNS BEFORE PUMPING CEMENT, NO RETURNS PUMPING CEMENT
4.00	22.50	DRLSUR	WOT	1	P	WAIT ON CEMENT TO TOP OUT
1.50	24.00	DRLSUR	CMT	2	P	PJSM, RIG UP 160' 1"" PIPE, TOP OUT WITH 22 BBLS, 100 SKS OF 14.8 PPG CEMENT, @ 20 BBLS CEMENT TO SURFACE, FLUSH CONDUCTOR, FLOWLINES AND GAS BUSTER

Report End Date: 8/12/2012 **End Depth (ftOTH):** 3,695.0

Operations at Report Time: LAYING DOWN PIPE **Operations Next Report Period:** RUN SURFACE CASING, CEMENT

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.50	1.50	DRLSUR	REAM	1	P	WASH BACK TO BOTTOM TO 3108' PUMP 40 BBLS LCM PILL @ 30 PPB
7.50	9.00	DRLSUR	DRL	2	P	DRILL FROM 3108' TO 3695' = 587' FT. @ 73.3 FPH, 15-25 K ON BIT, PUMPS 2 X 90 SPM, 528 GPM, SPP 1294 PSI, 55 RPM ON TOP DRIVE, 90 RPM MUD MOTOR, MW 9.2 PPG VIS 36 10% TO 12% LCM AIR ON 850-1100 CFM TOTAL LOSSES 720 BBLS
0.50	9.50	DRLSUR	RIG	1	P	LUBRICATE RIG
1.00	10.50	DRLSUR	CIRC	1	P	PUMP LCM SWEEP & CIRCULATE B/U W/AIR & ONE B/U WITHOUT AIR
4.50	15.00	DRLSUR	TRP	2	P	PULL 4 STANDS & WASH & REAM F/3366 TO 3086' & P.O.O.H WORK TIGHT SPOTS
3.50	18.50	DRLSUR	TRP	2	P	TRIP IN HOLE, STAGE 5 TO 8 STANDS TO ENSURE CIRC, REAM TO TIGHT SPOTS 3350, 3497
0.50	19.00	DRLSUR	CIRC	1	P	CIRCULATE BOTTOMS

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
1.00	20.00	DRLSUR	TRP	14	P	SHORT TRIP 9 STANDS THRU TIGHT AREA, NO TIGHT SPOTS
1.00	21.00	DRLSUR	CIRC	1	P	CIRCULATE 2 SWEEPS, RIG UP LAY DOWN TRUCK
3.00	24.00	DRLSUR	TRP	3	P	PJSM LAY DOWN DRILL PIPE

Report End Date: 8/11/2012 **End Depth (ftOTH):** 3,108.0

Operations at Report Time: STAGE IN HOLETO KEEP CIRC @ 2875' **Operations Next Report Period:** DRILL AHEAD TO 3695+-

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
8.00	8.00	DRLSUR	DRL	2	P	DRILL FROM 1495' TO 2509' = 1014' FT. @ 126.76 FPH, 5-20 K ON BIT, PUMPS 2 X 105 SPM, 615 GPM, SPP 1450 PSI, 55 RPM ON TOP DRIVE, 104 RPM MUD MOTOR, MW 8.9 PPG VIS 33
0.50	8.50	DRLSUR	RIG	1	P	LUBRICATE RIG
0.50	9.00	DRLSUR	CIRC	1	P	CIRCULATE B/U
4.00	13.00	DRLSUR	TRP	14	P	SHORT TRIP TO 90' & T.I.H TO 1938' WASH & REAM 1938' TO 2509'
8.50	21.50	DRLSUR	DRL	2	P	DRILL FROM 2509' TO 3108' = 599' FT. @ 70.4 FPH, 5-20 K ON BIT, PUMPS 2 X 105 SPM, 615 GPM, SPP 1450 PSI, 55 RPM ON TOP DRIVE, 104 RPM MUD MOTOR, MW 8.9 PPG VIS 33 10% TO 12% LCM AIR ON @ 2650 850-1100 CFM LOST RETURNS TOTAL 150 BBLS
0.50	22.00	DRLSUR	TRP	14	P	P.O.O.H 6 STANDS TO GET RETURNS BACK
2.00	24.00	DRLSUR	CIRC	1	P	CIRCULATE & PUMP 60 BBLS OF 20% LCM PILL & WASH BACK TO BOTTOM

Report End Date: 8/10/2012 **End Depth (ftOTH):** 90.0

Operations at Report Time: DRILLING @ 125 FPH **Operations Next Report Period:** DRILL, WIPER TRIP

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
2.00	2.00	DRLSUR	EQT	5	P	TEST PRECISON AIR LINES & EQUIPMENT T/1350 PSI
1.00	3.00	DRLSUR	EQT	5	P	PUMP THRU ALL SURFACE LINES & TEST
3.00	6.00	DRLSUR	TRP	1	P	PICK UP DIRECTIONAL TOOLS, TEST MOTOR, SCRIBE & MAKE UP BIT
6.50	12.50	DRLSUR	DRL	2	P	DRILL FROM 90' TO 808' = 718' FT. @ 110 FPH, 5-10 K ON BIT, PUMPS 2 X 110 SPM, 645 GPM, SPP 700 PSI, 55 RPM ON TOP DRIVE, 110 RPM MUD MOTOR, MW 8.4 PPG VIS 33
0.50	13.00	DRLSUR	OTH		P	PULL ROTATE HEAD PICK UP JARS INSTALL ROT HEAD

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
0.50	13.50	DRLSUR	DRL	2	P	DRILL FROM 808' TO 898' = 90' FT. @ 180 FPH, 5-10 K ON BIT, PUMPS 2 X 110 SPM, 645 GPM, SPP 700 PSI, 55 RPM ON TOP DRIVE, 110 RPM MUD MOTOR, MW 8.4 PPG VIS 33
0.50	14.00	DRLSUR	RIG	1	P	DAILY RIG SERVICE
5.00	19.00	DRLSUR	RIG	8	P	TROUBLE SHOOT TOP DRIVE, TOOH, REPAIR BLOWER MOTOR, TIH
5.00	24.00	DRLSUR	DRL	2	P	DRILL FROM 898' TO 1495' = 597' FT. @ 119 FPH, 5-20 K ON BIT, PUMPS 2 X 110 SPM, 645 GPM, SPP 700 PSI, 55 RPM ON TOP DRIVE, 110 RPM MUD MOTOR, MW 8.4 PPG VIS 33

Report End Date: 8/9/2012 **End Depth (ftOTH):** 0.0

Operations at Report Time: TESTING AIR JAMMER LINES **Operations Next Report Period:** PICK UP BHA, DRILL

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
12.00	12.00	MIRU	LOC	4	P	WAIT ON TOP DRIVE, RIG UP FLARE LINES, RIG FLOOR, SERVICE LOOP, R/U AIR PACKAGE, WELD ON CONDUCTOR PIPE & R/U ROT HEAD
11.50	23.50	MIRU	LOC	4	P	RIG UP, TOP DRIVE/KELLY HOSE, ALL LOWER SUBS, IBOP AND FUNCTION TEST, CHANGE MAIN HYDRAULIC LINE TO TOP DRIVE, WITH TESCO HAND & FRONTIER ELECTRICIAN, HOOK UP FLOW LINE TO ROT HEAD, INSTALL 2"" FILL LINE & 2"" DRAIN LINE TO CONDUCTOR & ROT HEAD, RIG UP BLEED OFF HOSES FROM AIR JAMMER LINES TO FLOW LINE, BUILD SPUD MUD
0.50	24.00	MIRU	LOC	4	P	TEST AIR JAMMER EQUIPTMENT

Report End Date: 8/8/2012 **End Depth (ftOTH):** 0.0

Operations at Report Time: RIGGING UP **Operations Next Report Period:** RIG UP, WELD CONDUCTOR ON, WAIT ON TOP DRIVE& RIG UP SAME

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
12.00	12.00	MIRU	LOC	3	P	RIG DOWN AND MOVE RIG TO THE RW12B4-27B AND RIG UP RAISE DERRICK AT 1730 WITH TRUCKS
12.00	24.00	MIRU	LOC	4	P	RIG UP BY HAND 95 % MOVE 90% RIG UP

Report End Date: 8/7/2012 **End Depth (ftOTH):** 0.0

Operations at Report Time: WAIT ON DAYLIGHT **Operations Next Report Period:** MOVE RIG AND RIG UP

QEP Energy Operations Summary Report

QEP Energy Company

Well Name: RW 12B4-27B

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-52234	027007S023E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,541.1	5,541.10	16.00	16.00	8/9/2012 12:00	9/6/2012 06:00

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com
14.00	14.00	RDMO	LOC	3	P	RIG DOWN AND HAUL RIG TO NEW LOCATION. RIG DOWN TOP DRIVE AND SEND IN TO FRONTIER SHOP. RIG DOWN MUD TANKS AND HAUL, GAS BUSTER, PUMPS, CHOKE HOUSE. MOVE DP, DC'S, AND CASING. LAY OVER DERRICK AND DRESS FOR MOVE. 80% RIGGED DOWN, 50% MOVED, 0% RIGGED UP.
10.00	24.00	RDMO	OTH		P	WAIT ON DAYLIGHTS.

Report End Date: 7/4/2012 **End Depth (ftOTH):** 0.0

Operations at Report Time: PRE SPUD COSTS **Operations Next Report Period:**

Dur (hr)	Cum Dur (hr)	Phase	Code	Sub - Code	Ops Category	Com